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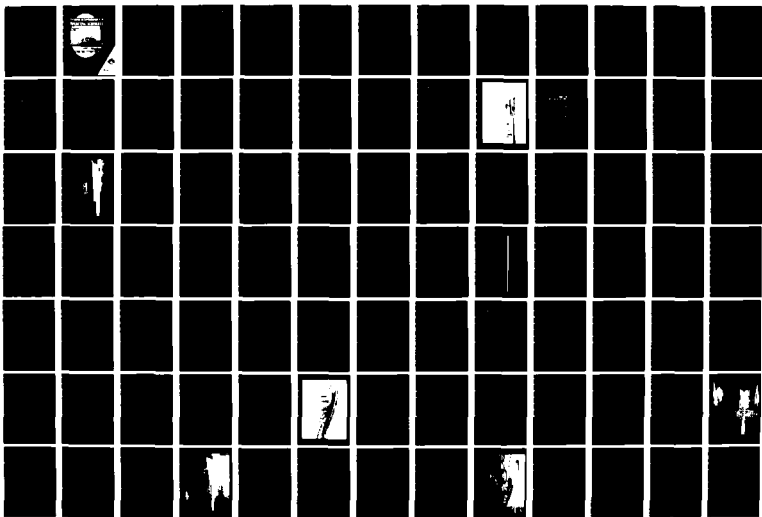
NATIONAL OCEANOGRAPHIC FLEET OPERATING SCHEDULES FOR  
1983(U) NAVAL OCEANOGRAPHIC OFFICE NSTL STATION MS  
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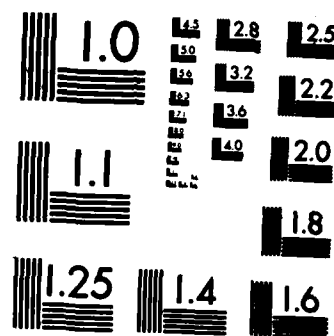
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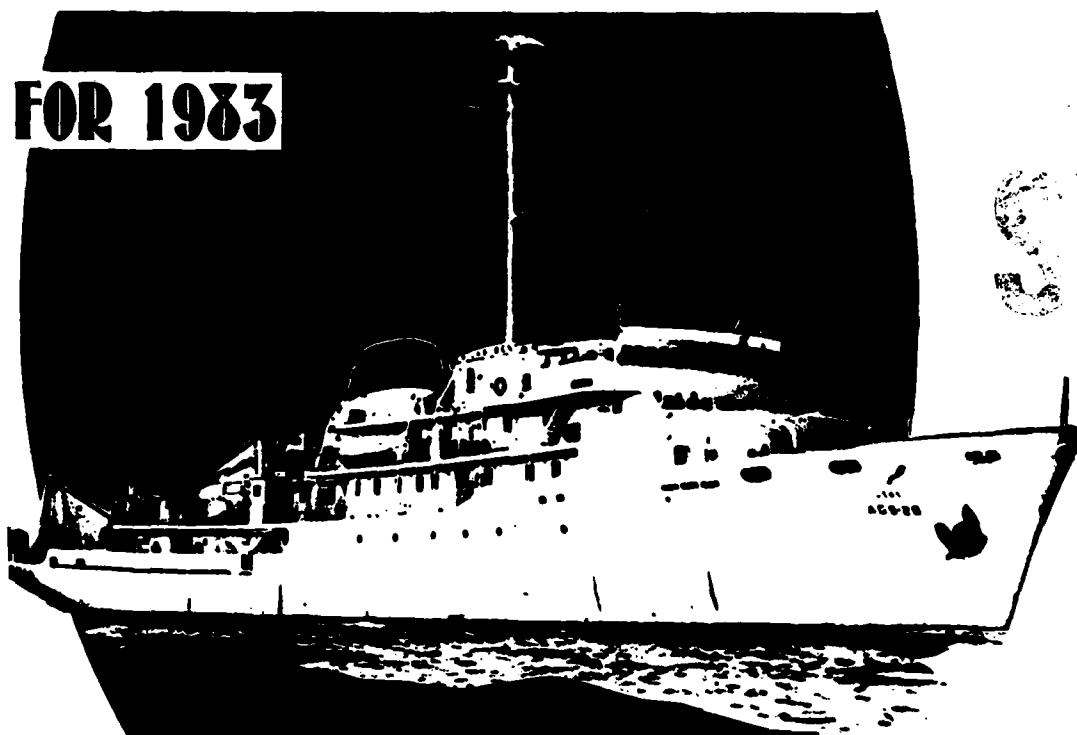
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RP-34 (83)

# NATIONAL OCEANOGRAPHIC FLEET OPERATING SCHEDULES

FOR 1983

ADA 125943



MAR 22 1983

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PREPARED BY  
COMMANDING OFFICER,  
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NSTL STATION, BAY ST. LOUIS, MS 39522

PREPARED FOR  
COMMANDER,  
NAVAL OCEANOGRAPHY COMMAND  
NSTL STATION, BAY ST. LOUIS, MS 39529

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## FOREWORD

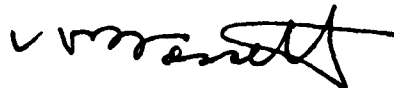
The Naval Oceanographic Office (NAVOCEANO) is pleased to begin publishing the annual operating schedules for the national oceanographic fleet with this 1983 edition. Distribution is made to those individuals and activities involved in planning, scheduling and coordinating U. S. oceanographic ship operations.

As ship operating expenses increase, efficiency of operations becomes a key ingredient for an effective national oceanographic program. To this end, every effort must be made to maximize the use of existing oceanographic platforms by "piggybacking" projects, exchanging oceanographic data and coordinating schedules. This publication serves as one means of assisting sponsoring activities and user organizations in effective management of national oceanographic assets.

In light of this effort and recognizing that many ocean capable vessels specifically configured for oceanographic research and hydrographic surveying exist in the private sector (representing a definite national asset), this edition includes some schedules of vessels operated by commercial concerns. An invitation is extended to other commercial concerns who operate specifically configured, deep-ocean capable, oceanographic or hydrographic vessels to include their schedules in future editions.

This publication has been principally developed from the latest data contained in NAVOCEANO's computerized Research Vehicle Reference Service (RVRS), a subset of the Oceanographic Management Information System (OMIS). The RVRS was established to provide a centralized source of information on ship characteristics, latest schedules, last known positions and points of contact for the ship operators. Participation in this reference system by ship operators, potential users and by activities otherwise concerned with oceanographic ship operations is invited. For the latest information on schedule changes or modifications of vessel capabilities and related questions, please address correspondence to Commanding Officer, Naval Oceanographic Office (Attention: OMIS Staff), NSTL Station, Bay St. Louis, MS 39522 or call Commercial (601) 688-5123/Autovon 485-5123/FTS 494-5123.

The Commander, Naval Oceanography Command remains the Navy point of contact for ship operations which involve the use of undersea sonic emitters, dragged devices or explosive charges. Because of the inherent danger from such operations to submarines, all non-Navy ship operators are required to provide at least two weeks advance notice so that survey areas may be cleared. Please address correspondence on this matter to Commander, Naval Oceanography Command (Attention: N321), NSTL Station, Bay St. Louis, MS 39529 or call Commercial (601) 688-5007/Autovon 485-5007/FTS 494-5007.



C. H. BASSETT

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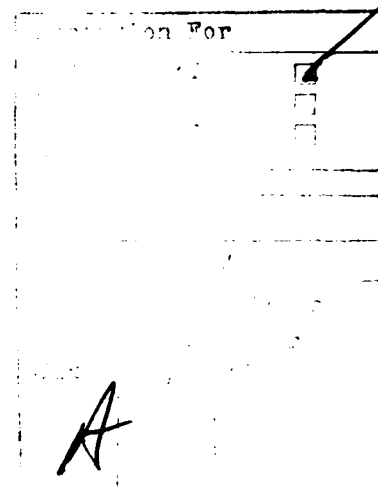
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 GULF RESEARCHER  
 HOBART & WILLIAM SMITH EXPLORER  
 LAURENTIAN  
 LINWOOD HOLTON  
 MEDUSA  
 NEESKAY  
 NORTH STAR  
 ONRUST  
 ORION  
 PANULIRUS II  
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## INTRODUCTION

This publication presents the 1983 operating schedules for the national oceanographic fleet. Schedules are provided for 70 ships which operate under various academic, governmental or commercial organizations. Included along with each ship schedule is information on ship characteristics, engineering/deck equipment and a point of contact. For convenience, quarterly ship operational summaries are provided which allow the user to quickly determine which ships are operating in a particular ocean area of interest during a particular time frame.

The information presented in this publication was principally derived from the latest data contained in the computer-based Research Vehicle Reference Service (RVRS), a subset of the Oceanographic Management Information System (OMIS) which is resident at the Naval Oceanographic Office.

## RESEARCH VEHICLE REFERENCE SYSTEM OVERVIEW

In 1978, OMIS was initiated at the Naval Oceanographic Office to provide essential information on oceanographic activities within Navy. The first areas considered for automation were oceanographic research and survey vessels which led to the RVRS subset.

The RVRS was at first envisioned to provide information on only Federally funded and operated vessels. However, with the limited number of platforms available to conduct oceanographic projects and increasing operating costs, the inclusion into RVRS of as many ships as possible was considered essential. Principal users were thought to be those involved in assessing the national fleet's capabilities or in determining the availability of a ship for a future cruise requirement. In this regard, the latest ship locations and desired ship missions were necessary.

Concentration has been placed on identifying and incorporating oceanographic ships over 65 feet in length. Physical characteristics are tabulated in RVRS by recognizing approximately 100 different factors and are categorized by deck/engineering equipment, dimensions, administrative details, points-of-contact for the physical plant and the routine on-board electronics suite. The purpose is to give a comprehensive description of a ship's physical capabilities for planning purposes. A point-of-contact is included for direct inquiry regarding a particular platform.

Each ship's operating schedule is maintained in the system. Original schedules for each year, as well as schedule changes, are forwarded to the OMIS staff from appropriate sources. Port-to-port cruise information is subsequently displayed (as shown in the following schedules in this publication) with the cruise objective, program, principal scientist, sponsoring organization and projected days at sea. Also, the date of update and the operating area are indicated. The smaller oceanographic vessels that make cruises of relatively short duration and distance from home port usually have a general statement reflecting their operations in lieu of daily schedules. Schedules which have "open" periods (e.g., time which has not been obligated to a particular project, transit or repair) are signified so that they can be collectively sorted and analyzed.

Current mission, status, location and time are updated daily into RVRS for most of the larger vessels in the Federal fleet. Course and speed are included when available. Information is obtained from synoptic weather and bathythermograph observation messages, by phone or is entered directly by the shore-based ship operators.

#### RESEARCH VEHICLE REFERENCE SYSTEM USAGE

RVRS has grown in both content and user participation. Eighteen organizations currently have remote terminal access to the data base.

There are a number of small, inexpensive remote computer terminals available today which can be used to interface RVRS through a standard desk telephone. The terminal must be the dial-up, asynchronous type and be teletype compatible. A 300 baud line capability is required along with a standard RS232 interface configuration.

RVRS was developed to simplify user access to the retrieval program; the operator selects the desired information from a basic question set which includes information on ship schedules within a certain ocean area or within a specific time span, ships in an area based on last reported position, points-of-contact and physical characteristics.

Special requirements for information may require analysis of the RVRS data base in a manner different from the standard questions. For example, the question "Identify all ships over 150 feet in length which have satellite navigation capability" would require an input from an RVRS Subject Matter Specialist. To receive this special support, address correspondence to the Commanding Officer, U. S. Naval Oceanographic Office (Attention: OMIS Staff), NSTL Station, Bay St. Louis, MS 39522 or call Commercial (601) 688-5123/Autovon 485-5123/FTS 494-5123. In addition to answering standard queries from those who do not have a remote terminal available, the RVRS Subject Matter Specialist is also a source for the Research Vehicle Reference Service User's Guide to the interactive data retrieval program.

JANUARY - MARCH 1983  
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA		*					
ALBATROSS IV				*			
ALPHA HELIX		*					
ANTFLOPF				*			
ATLANTIS II							
BLUE FIN				*			
CALANUS				*			
CAPE FLORIDA				*			
CAPE HATTERAS				*			
CAPE MENLOPEN				*			
CAYUSE		*					
CHAPMAN		*					
COLUMBUS ISELIN				*			
DAVID STARR JORDAN		*					
DAVIDSON		*					
DELAWARE II				*			
DISCOVERER		*					
ELLEN B. SCHIPPS		*					
ENDEAVOR				*			
ERLINE				*			
FAIRWEATHER				*			
FERREL				*			
FRED H. MOORE				*			
GYRE				*			
HECK				*			
HERO			*			*	
HOB		*					
IDA GREEN				*			
JOHN N. COBB		*					
JOHNSON				*			
KANA KECKI	*	*					*
KNORR				*		*	
LONGHORN				*			
MCARTHUR		*					
MELVILLE		*	*				
MILLER FREEMAN		*					
MOANA WAVE		*					
MT. MITCHELL				*			
MURRE II		*					
NEW HORIZON		*					
OCEANOGRAPHER		*					
OCEANUS				*		*	
ONAR		*					
OREGON II				*			
PEIRCE				*			
RAINIER		*					
RESEARCHER		*	*	*			
RIDGELY WARFIELD				*			
ROBERT D. CONRAD				*		*	
RUFF				*			
SFA DIVER				*			
SURVEYOR		*					
THOMAS G. THOMPSON		*					
THOMAS WASHINGTON		*	*				
TOWNSEN CROMWELL		*					
USCGC EVERGREEN				*			
USNS BARTLETT				*			
USNS CHAUVENET	*						*
USNS DE STEIGUER		*					
USNS HARKNESS				*			
USNS HAYES				*			
USNS KANE				*			
USNS LYNCH				*			
USNS SAMUEL P. LEF		*					
USNS SILAS PENT		*					
USNS WILKES				*		*	
VELERO IV		*					
WECOMA		*	*				
WESTWARD				*			
WHITING				*			

APRIL - JUNE 1987  
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA							
ALBATROSS IV							
ALPHA MELIX	*	*					
ANTELOPE				*			
ATLANTIS II				*			
BLUF FIN				*			
CALANUS				*			
CAPE FLORIDA				*			
CAPE HATTERAS				*			
CAPE MENLOPEN				*			
CAYUSE		*					
CHAPMAN		*					
COLUMBUS ISELIN				*	*		
DAVID STARK JORDAN							
DAVIDSON		*					
DELAWARE II				*			
DISCOVERER		*					
ELLEN B. SCRIPPS		*					
ENDEAVOR				*			
ERLINE				*			
FAIRWEATHER		*					
FERPEL				*			
FRED H. MOORE				*			
GYRE				*			
HECK				*			
HERO			*				
HOM		*					
IDA GREEN				*			
JOHN N. COBB		*					
JOHNSON				*			
KANA KEOKI	*	*					
KNORR				*			
LONGHORN				*			
MCARTHUR		*					
MELVILLE		*	*				
MILLER FREEMAN		*					
MOANA WAVE		*					
MT. MITCHELL				*			
MURPE II							
NEW HORIZON		*					
OCEANOGRAPHER		*					
OCEANUS				*	*		
OMAP		*					
OREGON II				*			
PEIPCE				*			
RAIVIER		*					
RESEARCHER		*	*				
RIDGELY WARFIELD				*			
ROBERT W. CONRAD				*			
RUDE				*			
SEA DIVER				*			
SURVEYOR				*			
THOMAS G. THOMPSON		*					
THOMAS WASHINGTON		*	*				
TOWNSEND CROMWELL		*					
USCGC EVERGREEN				*			
USNS BARTLETT				*			
USNS CHAUVENET	*						*
USNS DE STEIGUER		*					
USNS HARKNESS				*			
USNS HAYES				*			
USNS KANE				*			
USNS LYNCH				*			
USNS SAMUEL P. LEE		*					
USNS SILAS HENT		*					
USNS WILKES					*		
VELERO IV		*					
WECOMA		*					
WESTWARD				*			
WHITING				*			

JULY - SEPTEMBER 1967  
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA		*					
ALBATROSS IV				*			
ALPHA HELIX		*					
ANTELOPE				*			
ATLANTIS II		*		*			
BLUE FIN				*			
CALANUS				*			
CAPE FLOPID				*			
CAPE HATTERAS				*			
CAPE HENLOPEN				*			
CAYUSE		*					
CHAPMAN		*					
COLUMBUS ISELIN				*	*		
DAVID STARR JORDAN							
DAVIDSON							
DELAWARE II				*			
DISCOVERER							
ELLEN B. SCHIPPS		*					
ENDEAVOR				*			
ERLINE				*			
FAIRWEATHER				*			
FERREL				*			
FRED H. MOORE		*	*	*			
GYRE				*			
HECK				*			
HERO							
HOM		*					
IDA GREEN							
JOHN E. COBE		*					
JOHNSON				*			
KANA KECKI		*	*				
KNORR				*	*		*
LONGHORN				*			
MARTHUF							
MELVILLE		*					
MILLER FREEMAN							
MOANA WAVE		*					
MT. MITCHELL				*			
MURPE II							
NEW HORIZON		*					
OCEANOGRAPHER		*					
OCEANUS				*			
ONAR		*					
OREGON II				*			
PEIRCE				*			
RAINFIER							
RESEARCHER		*		*			
RIDGELEY WARFIELD				*			
ROBERT D. CONRAD				*			
RUDF				*			
SEA DIVER				*			
SURVEYOR							
THOMAS C. THOMPSON		*					
THOMAS WASHINGTON		*					
TOWNSHIP CRONWELL							
USCGC EVERGREEN				*			
USNS PARTLETT				*			
USNS CHAUVENET	*						*
USNS DE STEIGUTZ		*					
USNS HARKNESS							
USNS HAYES				*			
USNS KANE				*			
USNS LYNCH				*	*		
USNS SAMUEL F. LEE		*					
USNS SILAS BENT		*			*		
USNS WILKES							
VELERO IV		*					
WECOMA		*					
WESTWARD				*			
WHITING				*			

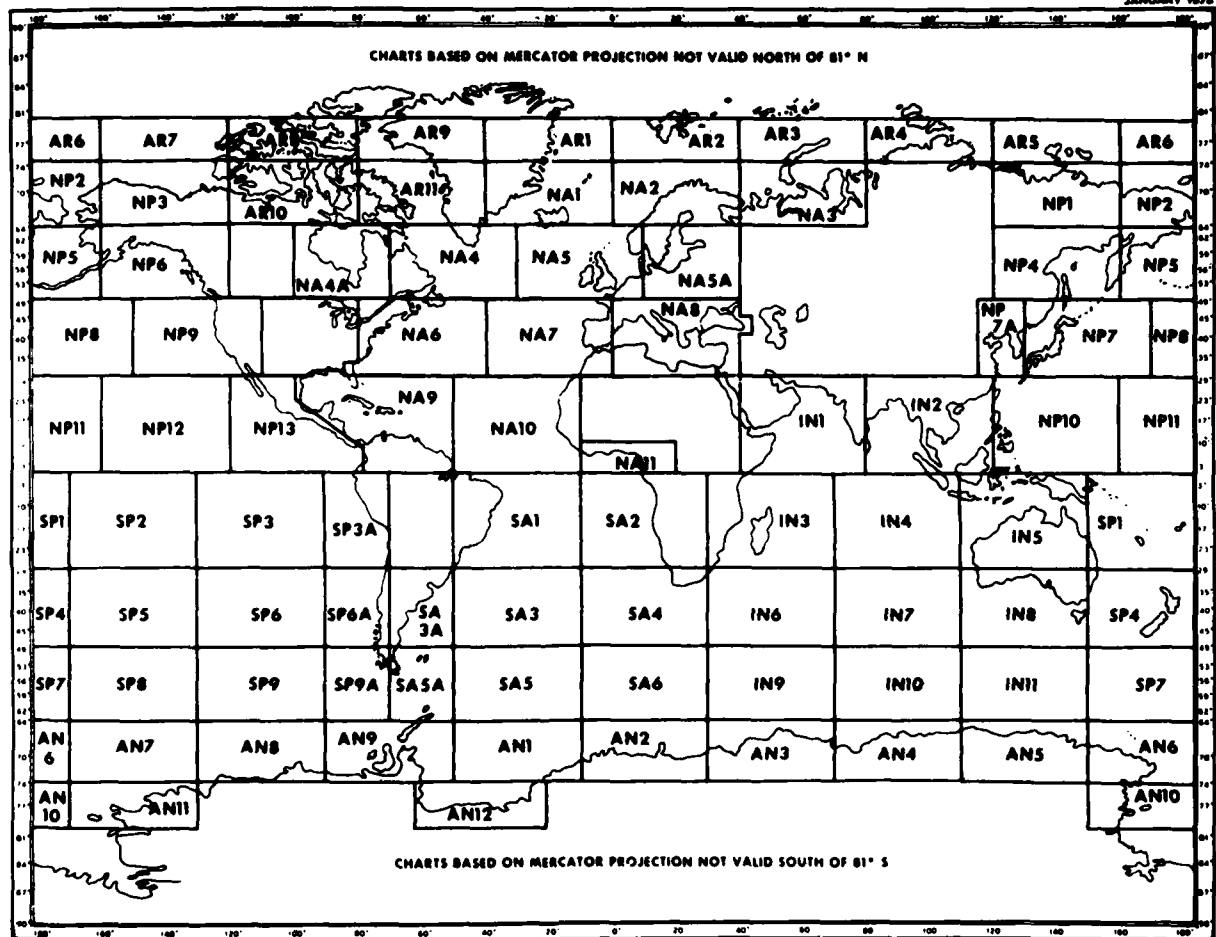
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OCTOBER - DECEMBER 1983  
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA							
ALBATROSS IV							
ALPHA HELIX	*						
ANTELOPE				*			
ATLANTIS II	*						
BLUF FIN				*			
CALANUS				*			
CAPE FLORIDA				*			
CAPE HATTERAS				*			
CAPE HENLOPEN				*			
CAYUSE	*						
CHAPMAN							
COLUMBUS ISELIN							
DAVID STARR JORDAN							
DAVIDSON							
DELAWARE II							
DISCOVERER							
ELLEN B. SCRIPPS							
ENDFAVOR	*		*	*			
ERLINE							
FAIRWEATHER							
FERREL							
FRED H. MOORE				*			
GYRE				*			
HECK							
HERO			*			*	
HOM	*						
ITA GREEN				*			
JOHN V. COBB	*						
JOHNSON	*			*			
KANA KEOKI	*		*				
KNOSS						*	*
LONGHORN				*			
MCAPTHUR							
MELVILLE			*			*	
MILLER FREEMAN							
MOANA WAVE	*						
MT. MITCHELL							
MURPE II							
NEW HORIZON	*						
OCEANOGRAPHER	*						
OCEANUS				*			
ONAP	*						
OREGON II							
PRINCE				*			
RAINIER							
RESEARCHER							
RIDGELY WAPFIELD				*			
ROBERT L. CONRAD				*		*	
RUDE							
SEA DIVER				*			
SURVEYOR							
THOMAS G. THOMPSON	*						
THOMAS WASHINGTON							
TOWNSEND CROWELL							
USCGC EVERGREEN				*			
USNS BARTLETT							
USNS CHAUVENET							
USNS DE STEIGUER							
USNS HARKNESS							
USNS HAYES				*			
USNS KANE							
USNS LYNCH							
USNS SAMUEL F. LEE	*						
USNS SILAS GENT							
USNS WILKES							
VELERO IV	*						
WECOM	*						
WESTWARD				*			
WHITING							

# STANDARD NAVY OCEAN AREA AND REGION INDEX LIMITS

JANUARY 1978







\*\*\*\*\*

ALPHA HELIX

POINT OF CONTACT INFORMATION

POC: MS E R "DOLLY" DIETER  
POC OFFICE: MARINE SUPERINTENDENT  
POC ORGANIZATION: INSTITUTE OF MARINE SCIENCE  
POC ADDRESS: UNIVERSITY OF ALASKA BOX 617  
POC CITY/STATE: SEWARD AK 99664  
FTS PREFIX: 907  
COMMERCIAL AREA CODE: 907  
PHONE: 224-5261

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: HELIX  
DESIGNATOR: RV  
CLASS: -  
CALL SIGN (INTERNATIONAL): KLFK  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: NATIONAL SCIENCE FOUNDATION  
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING  
FLAG REGISTRY: USA  
HOME PORT: SEWARD AK  
TECHNICAL SPONSOR: U UNIV. OF ALASKA  
OPERATIONS CONTROL: UNIV. OF ALASKA  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 5,5780  
SCIENTIFIC COMPLEMENT: 15  
NUMBER OFFICERS: 3  
NUMBER IN CREW: 6  
MAX SEA STATE: 3 BEAUFORT SCALE  
ENDURANCE: 30 DAY(S)  
LIMITING FACTOR: FUEL-REFRIG STORES  
BUILDER: J M MARTINAC COMPANY  
WHERE BUILT: TACOMA WA USA  
INITIAL COST: 1.3/65 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: '64  
LAUNCH DATE: '65  
DELIVERY DATE: '66  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: '80  
MAINTENANCE CYCLE: 1.0 YEARS  
END OF LIFE: 1991  
UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 132.8 FEET  
MAX BEAM: 31.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 287  
DISPLACEMENT: 512 TONS  
DRAUGHT: 12.5 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 7200 NAUTICAL MILES  
MAX SPEED: 12.0 KNOTS  
MIN SPEED: 1.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	1
FUEL TYPE:	1 DIESEL
BOW THRUSTER:	YES
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	35000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	Y
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	6000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.375 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	Y
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS 800B, FURANO
SOUNDING SYSTEM (DEEP):	EDO

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ALPHA HELIX

LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	ALEXANDER	ALASKA	
DEP: 14 FEB 83 SEWARD, AK	PRINCE WILLIAM SOUND		
ARR: 18 FEB 83 SEWARD, AK			4
AREA INDEX: NP6			
OCE 8214537	HENRICH	NSF	
DEP: 24 MAR 83 SEWARD, AK	OCE 8214537 RESURRECTION BAY		
ARR: 25 MAR 83 SEWARD, AK			1
AREA INDEX: NP6			
OCEANOGRAPHIC RESEARCH	ALEXANDER	ALASKA	
DEP: 28 MAR 83 SEWARD, AK	RESURRECTION BAY		
ARR: 30 MAR 83 SEWARD, AK			2
AREA INDEX: NP6			
OCE 8208306	ROYER	NSF	
DEP: 02 APR 83 SEWARD, AK	OCE 8208306 SOUTHCOAST ALASKA		
ARR: 12 APR 83 SEWARD, AK			10
AREA INDEX: NP6			
OCE 8024058	NIEBAUER	NSF	
DEP: 15 APR 83 SEWARD, AK	OCE 8024058 BERING ICE EDGE		
ARR: 05 MAY 83 DUTCH HARBOR			20
AREA INDEX: NP6 NP5			
OCEANOGRAPHIC RESEARCH	MUENCH(SAI)	NSF/ONR	
DEP: 06 MAY 83 DUTCH HARBOR	MIZEX		
ARR: 13 MAY 83 SEWARD, AK			7
AREA INDEX: NP5 NP6			
OCEANOGRAPHIC RESEARCH	MCROY	NSF/DPP	
DEP: 18 MAY 83 SEWARD, AK	ISHTAR (PROPOSED)		
ARR: 21 JUN 83 NOME, AK			34
AREA INDEX: NP6 NP5 NP2			
DPP 8121722	OLIVER (MLML)	NSF/DPP	
DEP: 22 JUN 83 NOME, AK	DPP 8121722 BERING SEA		
ARR: 12 JUL 83 DUTCH HARBOR, AK			20
AREA INDEX: NP2 NP5			
DPP 8206036	HUNT(UCI)	NSF/DPP	
DEP: 13 JUL 83 DUTCH HARBOR, AK	DPP 8206036 BERING SEA		
ARR: 26 JUL 83 DUTCH HARBOR, AK			13
AREA INDEX: NP5			
OCEANOGRAPHIC RESEARCH	DUENNEBIER(HIG)	NSF	
DEP: 27 JUL 83 DUTCH HARBOR, AK	ALEUT./SCHUMAGINS (PROPOSED)		
ARR: 06 AUG 83 SEWARD, AK			10
AREA INDEX: NP5 NP6			
OCE 8208306	ROYER	NSF	

DEP: 11 AUG 83 SEWARD, AK	OCE 8208306 SOUTHCOAST ALASKA	6
ARR: 17 AUG 83 SEWARD, AK		
AREA INDEX: NP6		
OCE 8200829 .....	FRÖELICH(FSU)	NSF
DEP: 23 AUG 83 SEWARD, AK	OCE 8200829 BERING SEA	19
ARR: 11 SEP 83 DUTCH HARBOR, AK		
AREA INDEX: NP6 NP5		
OCEANOGRAPHIC RESEARCH .....	MCROY	NSF/DPP
DEP: 12 SEP 83 DUTCH HARBOR, AK	ISHTAR (PROPOSED)	39
ARR: 21 OCT 83 DUTCH HARBOR, AK		
AREA INDEX: NP5		
OCEANOGRAPHIC RESEARCH .....	KELLEY	NSF
DEP: 22 OCT 83 DUTCH HARBOR, AK	BERING/CHUKCHI (PROPOSED)	14
ARR: 05 NOV 83 SEWARD, AK		
AREA INDEX: NP5 NP6		
OCE 8208306 .....	ROYER	NSF
DEP: 15 NOV 83 SEWARD, AK	OCE 8208306 SOUTHCOAST ALASKA	6
ARR: 21 NOV 83 SEWARD, AK		
AREA INDEX: NP6		
OCEANOGRAPHIC RESEARCH .....	ALEXANDER	ALASKA
DEP: 29 NOV 83 SEWARD, AK	PRINCE WILLIAM SOUND	6
ARR: 05 DEC 83 SEWARD, AK		
AREA INDEX: NP6		
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CAPE HENLOPEN

POINT OF CONTACT INFORMATION

POC: MR MADSWORTH OWEN  
POC OFFICE: DIRECTOR OF MARINE OPERATIONS  
POC ORGANIZATION: COLLEGE OF MARINE STUDIES  
POC ADDRESS: UNIVERSITY OF DELAWARE BOX 286  
POC CITY/STATE: LEWES DE 19958  
FTS PREFIX: 302  
COMMERCIAL AREA CODE: 302  
PHONE: 645-4320

ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
CLASS: CREW BOAT HULL  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-OFFSHORE  
SHIP OWNER: UNIVERSITY OF DELAWARE  
CERTIFICATION AUTHORITY: UNINSPECTED, ABS A-1  
FLAG REGISTRY: USA  
HOME PORT: LEWES DE  
TECHNICAL SPONSOR: UNIV. OF DELAWARE  
OPERATIONS CONTROL: UNIVERSITY OF DELAWARE  
CONTRACTUAL INFORMATION: AVAILABLE FOR OUTSIDE USE. CALL POINT-OF-CO  
ACT  
OPERATING COST/DAY: 3,94/83 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 12  
NUMBER OFFICERS: 2  
NUMBER IN CREW: 5  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 14 DAY(S)  
LIMITING FACTOR: FUEL  
BUILDER: SWIFTSHIPS  
WHERE BUILT: MORGAN CITY, LA USA  
INITIAL COST: 1.2/75 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: -74  
LAUNCH DATE: -75  
DELIVERY DATE: -76  
COMMISSION DATE: -76  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: 1.5 YEARS  
END OF LIFE: 2001  
UPDATE OF INFORMATION: 15 DEC 82

SHIP DIMENSIONS

LENGTH: 120.0 FEET  
MAX BEAM: 23.3 FEET  
HEIGHT: 48.0 FEET  
GROSS TONNAGE: 228  
DISPLACEMENT: 165 TONS  
DRAUGHT: 9.3 FEET  
CRUISE SPEED: 12.5 KNOTS  
RANGE: 2368 NAUTICAL MILES  
MAX SPEED: 18.0 KNOTS  
MIN SPEED: 0.5 KNOTS

# ENGINEERING/DECK EQUIPMENT

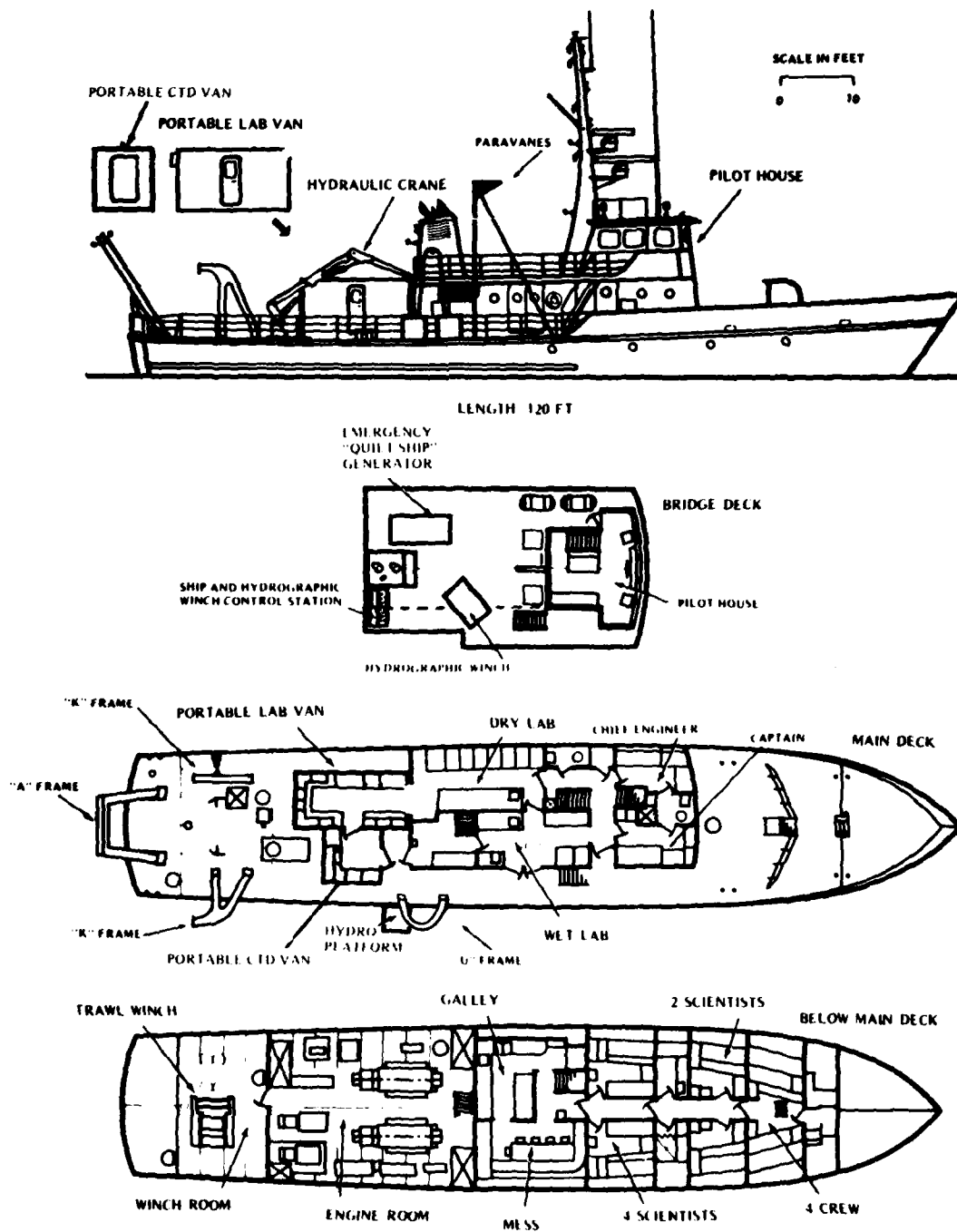
MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	Y
DEEP ANCHOR:	250 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	8X8X16
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	Y
UTILITY BOATS:	
1. 16 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	12000 POUNDS
NUMBER OF FRAMES:	4
CRANES OR BOOMS	
MAX HOIST CAPACITY:	12500 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	6
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	6560 FEET
WIRE DIAMETER:	0.219 INCHES
SECONDARY WIRE LEN:	6560 FEET
SECONDARY WIRE DIAM:	0.219 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	8200 FEET
WIRE DIAMETER:	0.500 INCHES
SECONDARY WIRE LEN:	8200 FEET
SECONDARY WIRE DIAM:	0.500 INCHES
03. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1020 FEET
WIRE DIAMETER:	0.750 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONIX 4052
FACSIMILE:	N
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	KONEL/BENMAR
SOUNDING SYSTEM (DEEP):	KONEL







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CAPE HENLOPEN

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	SHARP	DRBA/SG	
DEP: 04 JAN 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 06 JAN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CHURCH	NSF	
DEP: 09 JAN 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 11 JAN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		NSF/NOAA/NMFS	
DEP: 14 JAN 83 LEWES, DE	U.S. EAST COAST WATERS		16
ARR: 30 JAN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		SIPPICAN	
DEP: 13 FEB 83 LEWES, DE	U.S. EAST COAST WATERS		6
ARR: 19 FEB 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	J. SINGER	SAT	
DEP: 25 FEB 83 LEWES, DE			3
ARR: 28 FEB 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CHURCH	NSF	
DEP: 11 MAR 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 13 MAR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	DRBA/SG	
DEP: 14 MAR 83 LEWES, DE	U.S. EAST COAST WATERS		8
ARR: 22 MAR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	RAWSON	BLM	
DEP: 24 MAR 83 LEWES, DE	U.S. EAST COAST WATERS		7
ARR: 31 MAR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		NSF/NOAA/NMFS	
DEP: 07 APR 83 LEWES, DE	U.S. EAST COAST WATERS		14
ARR: 21 APR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	WARSH	NSF/NOAA	
DEP: 23 APR 83 LEWES, DE	U.S. EAST COAST WATERS		9
ARR: 02 MAY 83 LEWES, DE	OPMP		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	TYLER	NSF	

DEP: 04 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 07 MAY 83 LEWES, DE			3
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CULBERSON	ONR	
DEP: 10 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 11 MAY 83 LEWES, DE			1
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	NSF	
DEP: 18 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 20 MAY 83 LEWES, DE			2
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	WARSH	NOAA	
DEP: 22 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 30 MAY 83 LEWES, DE	OPMP		8
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	RAWSON	BLM	
DEP: 12 JUN 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 19 JUN 83 LEWES, DE			7
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		SIPPICAN	
DEP: 02 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 08 JUL 83 LEWES, DE			6
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	WARSH	NOAA	
DEP: 11 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 19 JUL 83 LEWES, DE	OPMP		8
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CHURCH	NSF	
DEP: 21 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 24 JUL 83 LEWES, DE			3
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	DRBA/SG	
DEP: 25 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 02 AUG 83 LEWES, DE			8
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	NSF	
DEP: 03 AUG 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 05 AUG 83 LEWES, DE			2
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	TYLER	NSF	
DEP: 08 AUG 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 12 AUG 83 LEWES, DE			4
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	GARVINE	NSF	
DEP: 14 AUG 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 25 AUG 83 LEWES, DE			11
AREA INDEX: NA6			

OCEANOGRAPHIC RESEARCH .....	WARSH .....	NSF/NOAA	
DEP: 15 SEP 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 22 SEP 83 LEWES, DE	OPMP		7
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....	SHARP .....	NSF	
DEP: 02 NOV 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 05 NOV 83 LEWES, DE			3
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		NSF/NOAA/NMFS	
DEP: 11 NOV 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 28 NOV 83 LEWES, DE			17
AREA INDEX: NA6			
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CAPE HATTERAS

POINT OF CONTACT INFORMATION

POC: MR ERIC B NELSON  
POC OFFICE: MARINE SUPERINTENDENT  
POC ORGANIZATION: DUKE UNC OCEANOGRAPHIC CONSORTIUM  
POC ADDRESS: DUKE UNIVERSITY MARINE LAB  
POC CITY/STATE: BEAUFORT, NC 28516  
FTS PREFIX: 919  
COMMERCIAL AREA CODE: 919  
PHONE: 728-2111

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: HATTERAS  
DESIGNATOR: -  
CLASS: COASTAL ZONE R/V  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH - COASTAL ZONE  
SHIP OWNER: NATIONAL SCIENCE FOUNDATION  
CERTIFICATION AUTHORITY: -  
FLAG REGISTRY: USA  
HOME PORT: BEAUFORT NC USA  
TECHNICAL SPONSOR: U DUKE UNIVERSITY  
OPERATIONS CONTROL: U DUKE UNIVERSITY  
CONTRACTUAL INFORMATION: NSF CHARTER PARTY AGREEMENT. EXPIRES 1986.  
OPERATING COST/DAY: -  
SCIENTIFIC COMPLEMENT: 12  
NUMBER OFFICERS: 5  
NUMBER IN CREW: 4  
MAX SEA STATE: 6 BEAUFORT SCALE  
ENDURANCE: 25 DAY(S)  
LIMITING FACTOR: FOOD STORES  
BUILDER: ATLANTIC MARINE INC.  
WHERE BUILT: FORT GEORGE ISLAND FL  
INITIAL COST: 6.0/81 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: 15 JUN 80  
LAUNCH DATE: -  
DELIVERY DATE: 01 AUG 81  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: -  
UPDATE OF INFORMATION: 15 OCT 82

SHIP DIMENSIONS

LENGTH: 135.0 FEET  
MAX BEAM: 32.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 294  
DISPLACEMENT: 539 TONS  
DRAUGHT: 9.0 FEET  
CRUISE SPEED: 11.0 KNOTS  
RANGE: 6800 NAUTICAL MILES  
MAX SPEED: 12.5 KNOTS  
MIN SPEED: 0.1 KNOTS

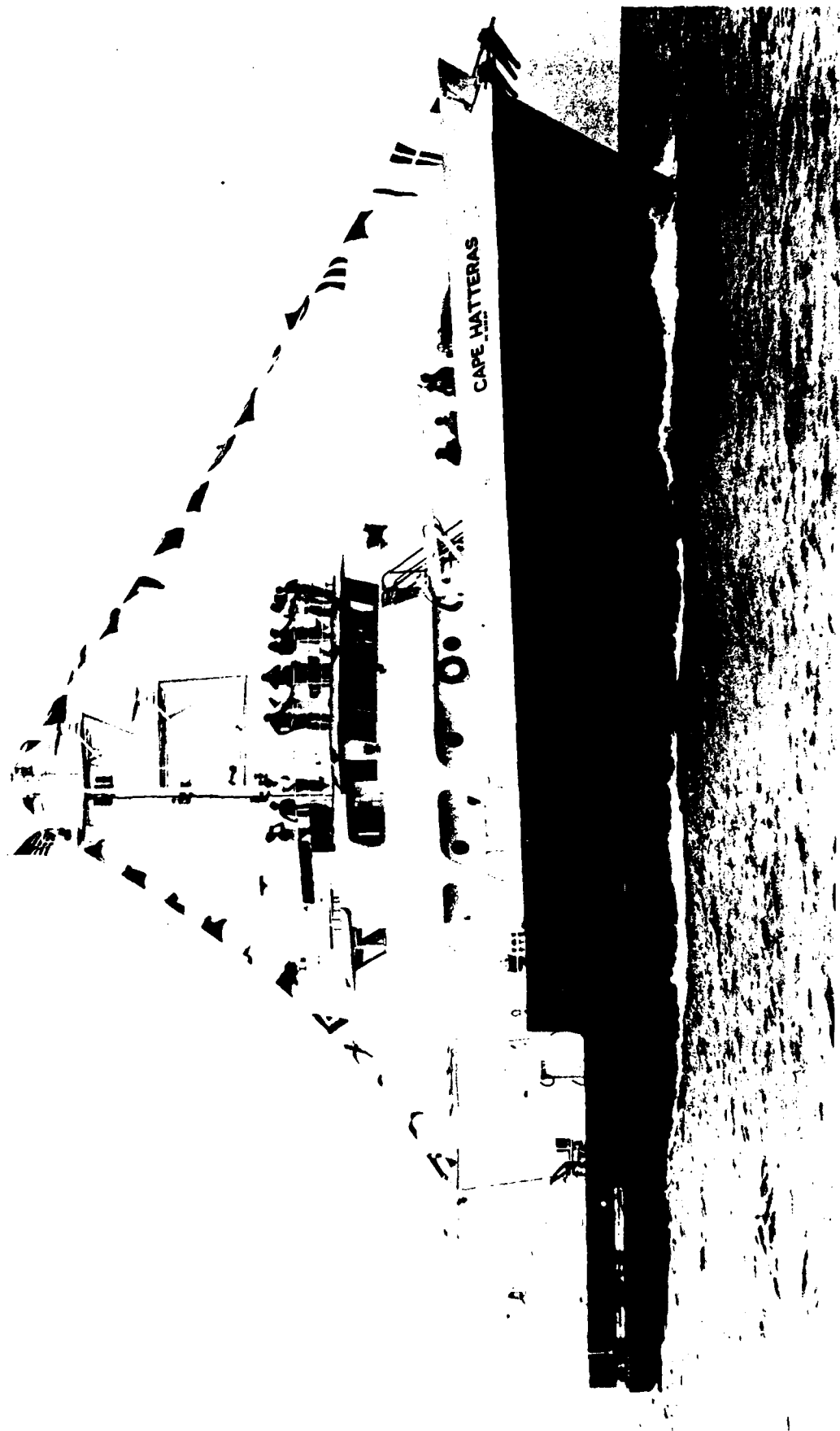
# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	-
ACTIVE RUDDER:	-
DYNAMIC POSITIONING:	-
ANTI-ROLL:	-
STABILIZER:	-
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	-
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	-
1. 17 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	13200 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	8000 FEET
WIRE DIAMETER:	0.250 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	-
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	-
RADAR (SURFACE SCAN):	Y
LORAN A:	-
LORAN C:	Y
OMEGA:	-
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	-
NARROW BEAM:	Y
SEISMIC PROFILING:	-
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	-
SOUNDING SYSTEM (DEEP):	RAYTHEON/EDO

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CAPE HATTERAS

LAST CHANGED 09 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE .....

DEP: 18 DEC 82 BEAUFORT, NC MAINTENANCE AND PREPARATION FOR 198  
ARR: 05 JAN 83 BEAUFORT, NC 19  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... A NEUMANN ..... NSF/DUKE UNIV

DEP: 05 JAN 83 BEAUFORT, NC NORTHWEST PROVIDENCE CHANNEL-SEDIME  
ARR: 19 JAN 83 BEAUFORT, NC GEOLOGICAL INVESTIGATIONS 15  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... D DEMASTER ..... NSF/N.C. STATE

DEP: 23 JAN 83 BEAUFORT, NC GULF STREAM-OCEANOGRAPHIC TECHNIQUE  
ARR: 27 JAN 83 WILMINGTON, NC 5  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... E FOSS ..... NSF/CAPE FEAR

DEP: 01 FEB 83 WILMINGTON, NC CONTINENTAL SHELF-OCEANOGRAPHIC STU  
ARR: 16 FEB 83 WILMINGTON, NC 16  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... G PAFFENHOFER ..... NSF/SKIDAWAY I

DEP: 21 FEB 83 WILMINGTON, NC SO. ATLANTIC BIGHT-BIOLOGICAL PROCE  
ARR: 02 MAR 83 BEAUFORT, NC 10  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... R COLWELL ..... NSF/UNIV OF MD

DEP: 14 MAR 83 BEAUFORT, NC CONTINENTAL SHELF-MICROBIOLOGICAL S  
ARR: 17 MAR 83 BEAUFORT, NC 4  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... T FISHER ..... NSF/HORN POINT

DEP: 27 MAR 83 BEAUFORT, NC CHESAPEAKE BAY-NUTRIENT INVESTIGATI  
ARR: 10 APR 83 WILMINGTON, NC 15  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... E FOSS ..... NSF/DUKE UNIV.

DEP: 15 APR 83 WILMINGTON, NC ONSLOW BAY-OCEANOGRAPHIC TECHNIQUES  
ARR: 22 APR 83 WILMINGTON, NC 8  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... S RIGGS ..... NSF/E CAROLINA

DEP: 01 MAY 83 WILMINGTON, NC CONTINENTAL SHELF-PHOSPHATE DEPOSIT  
ARR: 17 MAY 83 BEAUFORT, NC STUDIES 17  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... L POMEROY ..... NSF/UNIV. OF G

DEP: 21 MAY 83 BEAUFORT, NC SLOPE & SHELF WATERS-PELAGIC TUNICA  
ARR: 04 JUN 83 BEAUFORT, NC INVESTIGATIONS 15  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH ..... E FOSS ..... NSF/CAPE FEAR



DEP: 09 JUN 83 BEAUFORT, NC	CONTINENTAL SHELF-OCEANOGRAPHIC	STU
ARR: 30 JUN 83 BEAUFORT, NC		22
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	D SPENCER	NSF/WHOI
DEP: 05 JUL 83 BEAUFORT, NC	SHELF & SLOPE - CHEMICAL, BIOLOGICAL	
ARR: 18 JUL 83 WOODS HOLE	PHYSICAL STUDIES	14
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	J MAGNUSON	NSF/UNIV OF WI
DEP: 19 JUL 83 WOODS HOLE	GULF STREAM-NEKTON-ZOOPLANKTON	STUD
ARR: 01 AUG 83 BOOTHBAY		14
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	C YENTSCH	NSF/RIGELOW LA
DEP: 02 AUG 83 BOOTHBAY	GULF OF MAINE-BIOLOGICAL OCEANOGRAPHY	
ARR: 05 SEP 83 BOOTHBAY		35
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	L MURPHY	NSF/BIGELOW LA
DEP: 06 SEP 83 BOOTHBAY	SLOPE & SHELF-BIOLOGICAL OCEANOGRAPHY	
ARR: 22 SEP 83 BEAUFORT, NC		17
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	L POMEROY	NSF/UNIV OF GE
DEP: 29 SEP 83 BEAUFORT, NC	SLOPE & SHELF WATERS-PELAGIC TUNICA	
ARR: 14 OCT 83 BEAUFORT, NC	INVESTIGATIONS	16
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	T FISHER	NSF/HORN POINT
DEP: 18 OCT 83 BEAUFORT, NC	CHESAPEAKE & DELAWARE BAYS-NUTRIENT	
ARR: 01 NOV 83 BEAUFORT, NC	STUDIES	15
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	E FOSS	NSF/CAPE FEAR
DEP: 05 NOV 83 BEAUFORT, NC	LONG BAY-OCEANOGRAPHIC TECHNIQUES	
ARR: 12 NOV 83 BEAUFORT, NC		8
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	A NEUMANN	NSF/UNIV N. CA
DEP: 17 NOV 83 BEAUFORT, NC	FLORIDA STRAITS - SEDIMENTARY GEOLOGY	
ARR: 23 NOV 83 BEAUFORT, NC	INVESTIGATIONS	7
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	D DEMASTER	NSF/N.C. STATE
DEP: 28 NOV 83 BEAUFORT, NC	GULF STREAM-OCEANOGRAPHIC INVESTIGATIONS	
ARR: 02 DEC 83 BEAUFORT, NC		5
AREA INDEX: NA6		
OUT OF SERVICE		DUKE UNIV.
DEP: 03 DEC 83 BEAUFORT, NC	MAINTENANCE & PREPARATION FOR 1984	
ARR: 31 DEC 83 BEAUFORT, NC		29
AREA INDEX: NA6		
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KANA KEOKI

POINT OF CONTACT INFORMATION

POC: MR J FRISBEE CAMPBELL  
 POC OFFICE: SCI COORDINATOR FOR MARINE OPER.  
 POC ORGANIZATION: HAWAII INST. OF GEOPHYSICS  
 POC ADDRESS: 2525 CORREA ROAD  
 POC CITY/STATE: HONOLULU HI 96822  
 FTS PREFIX: 808  
 COMMERCIAL AREA CODE: 808  
 PHONE: 948-7654

ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
 CLASS: OFFSHORE SUPPLY  
 CALL SIGN (INTERNATIONAL): -  
 FLEET: UNOLS  
 SHIP TYPE: OCEAN RESEARCH-GENERAL  
 SHIP OWNER: HAWAII INST. OF GEOPHYSICS  
 CERTIFICATION AUTHORITY: -  
 FLAG REGISTRY: USA  
 HOME PORT: HONOLULU HI  
 TECHNICAL SPONSOR: U UNIV. OF HAWAII  
 OPERATIONS CONTROL: HAWAII INST. OF GEOPHYSICS  
 CONTRACTUAL INFORMATION: NONE  
 OPERATING COST/DAY: 3,078  
 SCIENTIFIC COMPLEMENT: 15  
 NUMBER OFFICERS: 4  
 NUMBER IN CREW: 11  
 MAX SEA STATE: 4 BEAUFORT SCALE  
 ENDURANCE: 42 DAY(S)  
 LIMITING FACTOR: REFRIGERATED STORES  
 BUILDER: HALTER MARINE SERVICES INC  
 WHERE BUILT: NEW ORLEANS LA USA  
 INITIAL COST: -  
 DUE DATE: -  
 KEEL DATE: -  
 LAUNCH DATE: '67  
 DELIVERY DATE: '67  
 COMMISSION DATE: -  
 CONVERSION DATE: '70  
 LAST OVERHAUL: '79  
 MAINTENANCE CYCLE: 2.0 YEARS  
 END OF LIFE: 1988  
 UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

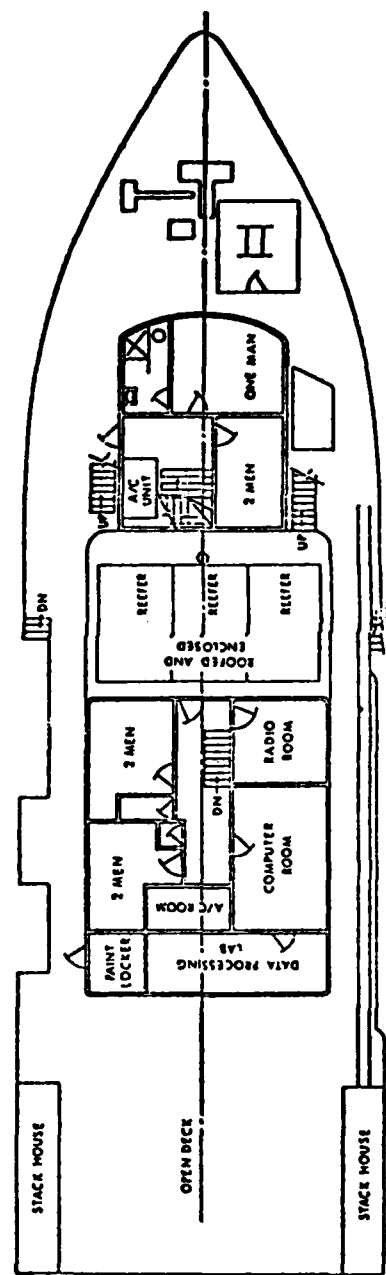
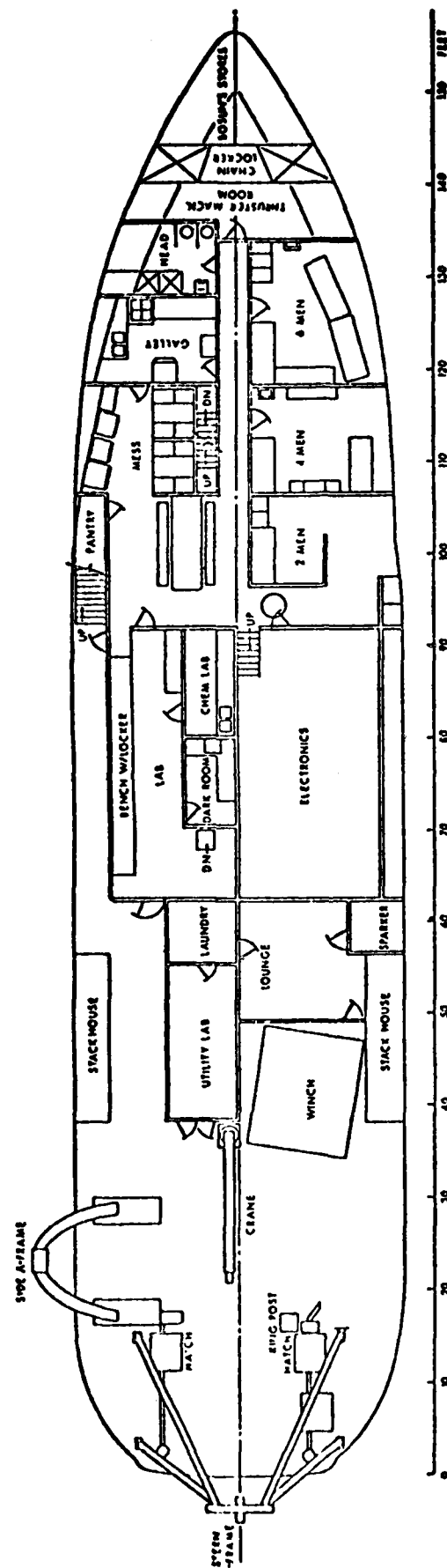
LENGTH: 156.0 FEET  
 MAX BEAM: 36.0 FEET  
 HEIGHT: - FEET  
 GROSS TONNAGE: 298  
 DISPLACEMENT: 1080 TONS  
 DRAUGHT: 11.0 FEET  
 CRUISE SPEED: 11.0 KNOTS  
 RANGE: 12500 NAUTICAL MILES  
 MAX SPEED: 13.5 KNOTS  
 MIN SPEED: 1.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	1 DIESEL/2 DIESEL/JP-5
BOW THRUSTER:	TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	20X8X8
INSTRUMENT VAN DIMENSIONS:	20X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	60000 POUNDS
NUMBER OF FRAMES:	3
CRANES OR BOOMS	
MAX HOIST CAPACITY:	15000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	8
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	36000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES
02. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	43000 FEET
WIRE DIAMETER:	0.563 INCHES

## ----- ELECTRONIC EQUIPMENT

COMPUTERS:	NOVA 1200
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO



# R/V KANA KEOKI

156' RESEARCH VESSEL  
DECK PLANS

JULY 2, 1977  
JW

Figure 1

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KANA KEOKI

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEACH	BIENFANG	NSF	
DEP: 05 JAN 83 HONOLULU, HI	BIOLOGY - HAWAIIAN WATERS		4
ARR: 09 JAN 83 HONOLULU, HI			
AREA INDEX: NP12			
OCEANOGRAPHIC RESEACH		UNIV OF HAWAII	
DEP: 15 JAN 83 HONOLULU, HI	OPEN TRANSIT TO PALAU		16
ARR: 31 JAN 83 PALAU			
AREA INDEX: NP12 NP11 NP10			
OCEANOGRAPHIC RESEACH	HUSSONG	NSF	
DEP: 03 FEB 83 PALAU	GEOLOGY & GEOPHYSICS - INDONESIA		33
ARR: 07 MAR 83 SURABAYA			
AREA INDEX: NP10 IN5			
OCEANOGRAPHIC RESEACH	SILVER	NSF	
DEP: 11 MAR 83 SURAYABA	GEOLOGY & GEOPHYSICS - INDONESIA		30
ARR: 10 APR 83 GUAM			
AREA INDEX: NP10 IN5			
OCEANOGRAPHIC RESEACH	HUSSONG	ONR	
DEP: 14 APR 83 GUAM	GEOLOGY & GEOPHYSICS - MARIANAS		24
ARR: 08 MAY 83 YOKOHAMA, JA			
AREA INDEX: NP10 NP7			
OCEANOGRAPHIC RESEACH	DUENNEBIER	UNIV OF HAWAII	
DEP: 12 MAY 83 YOKOHAMA, JA	GEOLOGY & GEOPHYSICS - NORTHWEST PA		18
ARR: 30 MAY 83 HONOLULU, HI	DOWNHOLE PICKUP		
AREA INDEX: NP7 NP8 NP11 NP12			
OCEANOGRAPHIC RESEACH	YOUNG	NSF	
DEP: 03 JUN 83 HONOLULU, HI	BIOLOGY - HAWAIIAN WATERS		4
ARR: 07 JUN 83 HONOLULU, HI			
AREA INDEX: NP12			
OUT OF SERVICE		UNIV OF HAWAII	
DEP: 07 JUN 83 HONOLULU, HI	SHIPYARD DRY DOCK		15
ARR: 22 JUN 83 HONOLULU, HI			
AREA INDEX: NP12			
OCEANOGRAPHIC RESEACH	YOUNG	NSF	
DEP: 22 JUN 83 HONOLULU, HI	BIOLOGY - HAWAIIAN WATERS		14
ARR: 06 JUL 83 HONOLULU, HI			
AREA INDEX: NP12			
OCEANOGRAPHIC RESEACH	BIENFANG	NSF	
DEP: 11 JUL 83 HONOLULU, HI	BIOLOGY - HAWAIIAN WATERS		2
ARR: 13 JUL 83 HONOLULU, HI			
AREA INDEX: NP12			
OCEANOGRAPHIC RESEACH	YOUNG	NSF	

DEP: 18 JUL 83 HONOLULU, HI	BIOLOGY - HAWAIIAN WATERS	19
ARR: 06 AUG 83 HONOLULU, HI		
AREA INDEX: NP12		
OCEANOGRAPHIC RESEARCH		
DEP: 17 AUG 83 HONOLULU, HI	OPEN TRANSIT TO CALLAO	20
ARR: 06 SEP 83 CALLAO, PERU		
AREA INDEX: NP12 NP13 SP3 SP3A		
OCEANOGRAPHIC RESEARCH		
	HUSSONG	NSF
DEP: 10 SEP 83 CALLAO, PERU	IPOD SITE SURVEY - NORTHERN PERU	37
ARR: 17 OCT 83 GUAYAQUIL, EC		
AREA INDEX: SP3A SP3		
OCEANOGRAPHIC RESEARCH		
DEP: 20 OCT 83 GUAYAQUIL, EC	OPEN TRANSIT TO HONOLULU	20
ARR: 09 NOV 83 HONOLULU, HI		
AREA INDEX: SP3A SP3 NP13 NP12		
OCEANOGRAPHIC RESEARCH		
	YOUNG	NSF
DEP: 21 NOV 83 HONOLULU, HI	BIOLOGY - HAWAIIAN WATERS	14
ARR: 05 DEC 83 HONOLULU, HI		
AREA INDEX: NP12		
OPEN		
DEP: 06 DEC 83 HONOLULU, HI	OPEN	25
ARR: 31 DEC 83 HONOLULU, HI		
AREA INDEX: OPEN		
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 MOANA WAVE  
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POINT OF CONTACT INFORMATION

POC: MR J FRISBEE CAMPBELL  
 POC OFFICE: SCI COORDINATOR FOR MARINE OPER.  
 POC ORGANIZATION: HAWAII INST. OF GEOPHYSICS  
 POC ADDRESS: 2525 CORREA ROAD  
 POC CITY/STATE: HONOLULU HI 96822  
 FTS PREFIX: 808  
 COMMERCIAL AREA CODE: 808  
 PHONE: 948-7654  
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ADMINISTRATIVE DETAILS

COMMON SHIP NAME: WAVE  
 DESIGNATOR: AGOR 22  
 CLASS: 6YRE/AGOR 21  
 CALL SIGN (INTERNATIONAL): -  
 FLEET: UNOLS  
 SHIP TYPE: RESEARCH AND DEVELOPMENT  
 SHIP OWNER: USN  
 CERTIFICATION AUTHORITY: -  
 FLAG REGISTRY: USA  
 HOME PORT: HONOLULU HI  
 TECHNICAL SPONSOR: U UNIV. OF HAWAII  
 OPERATIONS CONTROL: HAWAII INST. OF GEOPHYSICS  
 CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 1 JAN 84 CON #  
 00014-74-C-0052  
 OPERATING COST/DAY: 2.8/78 THOUSAND \$'S  
 SCIENTIFIC COMPLEMENT: 13  
 NUMBER OFFICERS: 4  
 NUMBER IN CREW: 11  
 MAX SEA STATE: 5 BEAUFORT SCALE  
 ENDURANCE: 45 DAY(S)  
 LIMITING FACTOR: REFRIGERATED STORES  
 BUILDER: HALTER MARINE SERVICES INC  
 WHERE BUILT: NEW ORLEANS LA USA  
 INITIAL COST: 3.9/73 MILLION \$'S IN YEAR  
 DUE DATE: -  
 KEEL DATE: -  
 LAUNCH DATE: 18 JUN 73  
 DELIVERY DATE: 73  
 COMMISSION DATE: -  
 CONVERSION DATE: -  
 LAST OVERHAUL: 79  
 MAINTENANCE CYCLE: 2.0 YEARS  
 END OF LIFE: 2003  
 UPDATE OF INFORMATION: 16 DEC 82  
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SHIP DIMENSIONS

LENGTH: 174.0 FEET  
 MAX BEAM: 36.0 FEET  
 HEIGHT: - FEET  
 GROSS TONNAGE: 291  
 DISPLACEMENT: 1437 TONS  
 DRAUGHT: 13.1 FEET  
 CRUISE SPEED: 10.0 KNOTS  
 RANGE: 8000 NAUTICAL MILES  
 MAX SPEED: 13.5 KNOTS  
 MIN SPEED: 1.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	1 DIESEL/2 DIESEL/JP-5
BOW THRUSTER:	ELECTRIC
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	24X8X8
INSTRUMENT VAN DIMENSIONS:	24X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	60000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	7000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.219 INCHES
03. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	40000 FEET
WIRE DIAMETER:	0.500 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NOVA 1220
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	EDO/RAYTHEON

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MOANA WAVE

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH\*\*\*\*\*

UNIV OF HAWAII

DEP: 01 JAN 83 HONOLULU, HI  
ARR: 31 DEC 83 HONOLULU, HI  
AREA INDEX: NP11 NP12

UNDER ONR 611 CONTRACT  
CALL POC FOR DETAILS

365

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RIDGELY WARFIELD

POINT OF CONTACT INFORMATION

POC: MR ROBERT K SHEEHAN  
 POC OFFICE: HEAD, OPERATIONS DIVISION  
 POC ORGANIZATION: CHESAPEAKE BAY INSTITUTE  
 POC ADDRESS: JOHNS HOPKINS UNIVERSITY  
 POC CITY/STATE: SHADY SIDE MD 20764  
 COMMERCIAL AREA CODE: 301  
 PHONE: 867-7550

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: WARFIELD  
 DESIGNATOR: RV  
 CLASS: CATAMARAN  
 CALL SIGN (INTERNATIONAL): -  
 FLEET: UNOLS  
 SHIP TYPE: OCEAN RESEARCH-GENERAL  
 SHIP OWNER: JOHNS HOPKINS UNIVERSITY  
 CERTIFICATION AUTHORITY: -  
 FLAG REGISTRY: USA  
 HOME PORT: ANNAPOLIS MD  
 TECHNICAL SPONSOR: U JOHNS HOPKINS UNIVERSITY  
 OPERATIONS CONTROL: JOHNS HOPKINS UNIVERSITY  
 CONTRACTUAL INFORMATION: NONE  
 OPERATING COST/DAY: 2.5/80  
 SCIENTIFIC COMPLEMENT: 11  
 NUMBER OFFICERS: 4  
 NUMBER IN CREW: 7  
 MAX SEA STATE: 4 BEAUFORT SCALE  
 ENDURANCE: 30 DAY(S)  
 LIMITING FACTOR: FUEL  
 BUILDER: BETHLEHEM STEEL SHIPBUILDING  
 WHERE BUILT: BALTIMORE MD USA  
 INITIAL COST: 1.25/67 MILLION \$'S IN YEAR  
 DUE DATE: -  
 KEEL DATE: -  
 LAUNCH DATE: -67  
 DELIVERY DATE: -67  
 COMMISSION DATE: -67  
 CONVERSION DATE: -  
 LAST OVERHAUL: 15 APR 80  
 MAINTENANCE CYCLE: 1.5 YEARS  
 END OF LIFE: 1992  
 UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 106.0 FEET  
 MAX BEAM: 34.0 FEET  
 HEIGHT: 46.0 FEET  
 GROSS TONNAGE: 262  
 DISPLACEMENT: 162 TONS  
 DRAUGHT: 9.6 FEET  
 CRUISE SPEED: 15.0 KNOTS  
 RANGE: 1500 NAUTICAL MILES  
 MAX SPEED: 15.0 KNOTS  
 MIN SPEED: 2.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 17 FOOT BOSTON WHALER	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	3800 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	3000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.375 INCHES
SECONDARY WIRE LEN:	1000 FEET
SECONDARY WIRE DIAM:	0.375 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.156 INCHES
03. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	300 FEET
WIRE DIAMETER:	0.094 INCHES
04. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	300 FEET
WIRE DIAMETER:	0.094 INCHES
05. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1200 FEET
WIRE DIAMETER:	0.500 INCHES
06. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1200 FEET
WIRE DIAMETER:	0.500 INCHES
07. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.375 INCHES

08. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.375 INCHES

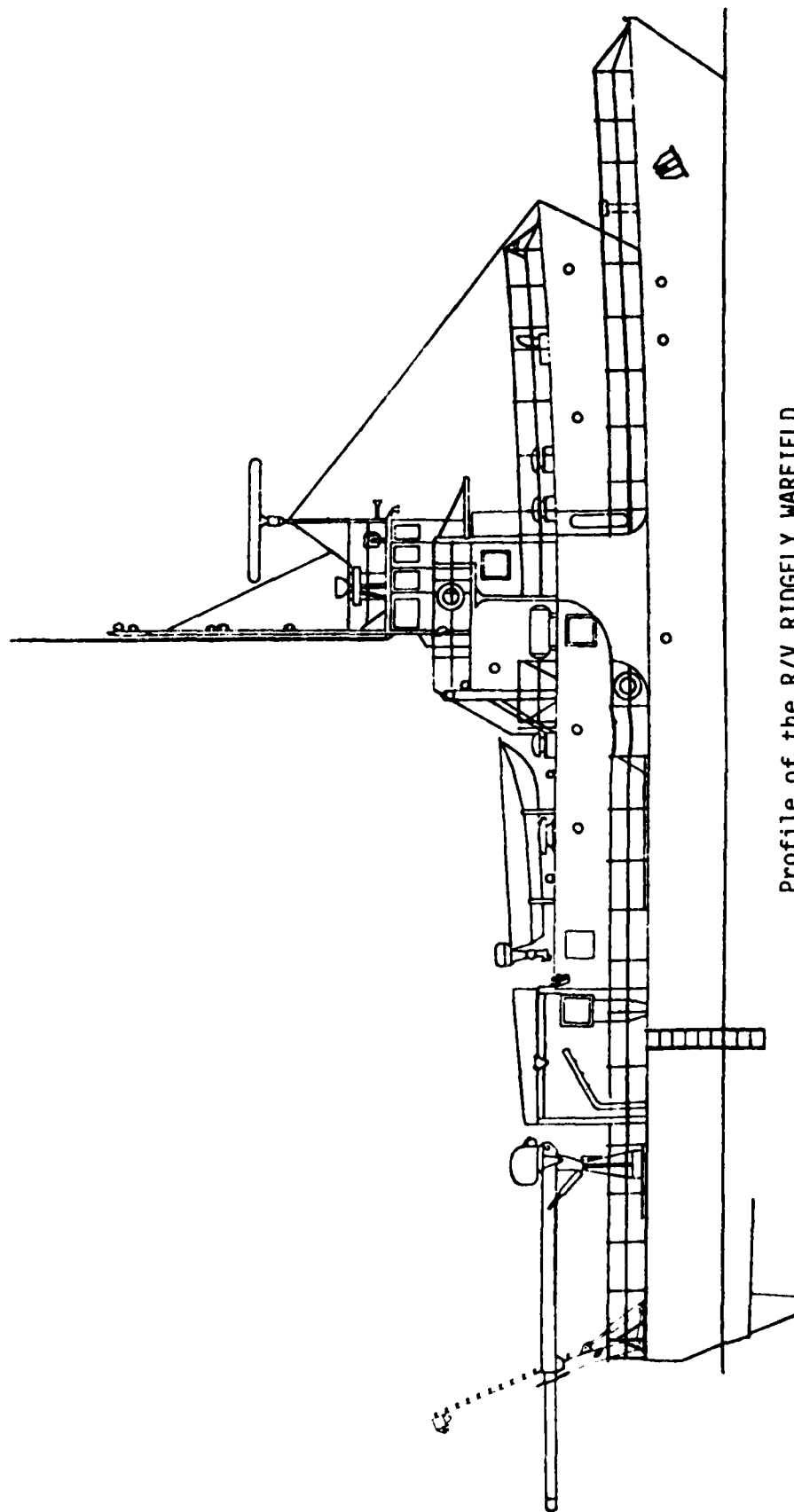
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ELECTRONIC EQUIPMENT

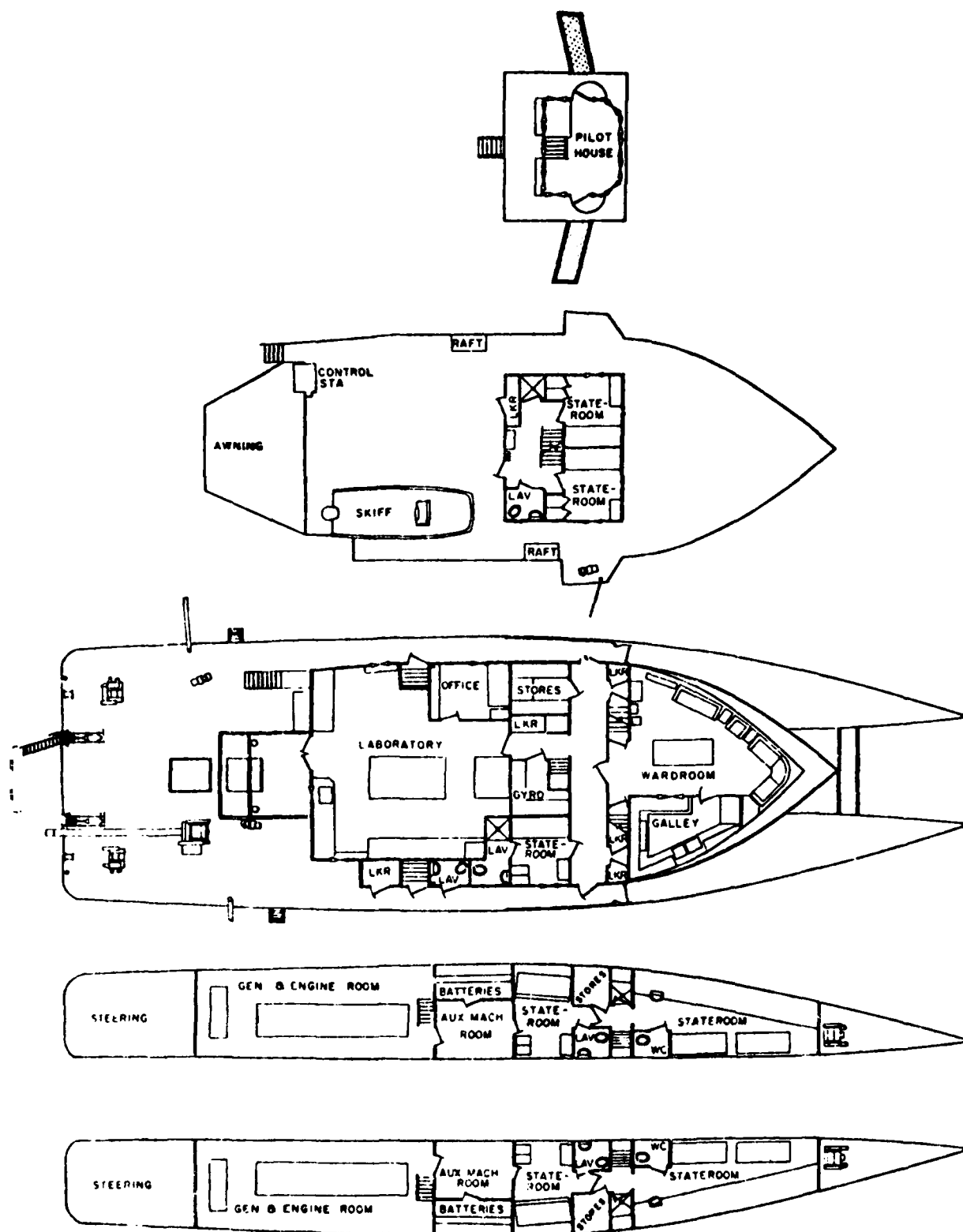
COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	BENDIX, RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO

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Profile of the R/V RIDGELY WARFIELD



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RIDGELY WARFIELD

LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	SELIGER (JHU)	NSF	
DEP: 03 JAN 83 ANNAPOLIS, MD	PHOTOECOLOGY - CHESAPEAKE BAY	ENTRA	2
ARR: 05 JAN 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	HEINBOKEL/TYLER	NSF	
DEP: 17 JAN 83 ANNAPOLIS, MD	ZODIAC - CHESAPEAKE BAY		4
ARR: 21 JAN 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SELIGER (JHU)	NSF	
DEP: 08 MAR 83 ANNAPOLIS, MD	PHOTOECOLOGY - CHESAPEAKE BAY	ENTRA	2
ARR: 10 MAR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	HEINBOKEL/TYLER	NSF	
DEP: 14 MAR 83 ANNAPOLIS, MD	ZODIAC - CHESAPEAKE BAY		4
ARR: 18 MAR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	HAAS (VIMS)	NSF	
DEP: 26 MAR 83 ANNAPOLIS, MD	MICROFLAGELLATES - YORK RIVER		5
ARR: 31 MAR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
DEP: 01 APR 83 ANNAPOLIS, MD	MICROFLAGELLATES - YORK RIVER		3
ARR: 04 APR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SELIGER (JHU)	NSF	
DEP: 06 APR 83 ANNAPOLIS, MD	PHOTOECOLOGY - CHESAPEAKE BAY	ENTRA	2
ARR: 08 APR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COLWELL (U OF MD)	NSF	
DEP: 12 APR 83 ANNAPOLIS, MD	MICROBIOLOGY - UPPER CHESAPEAKE BAY		0
ARR: 12 APR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	HEINBOKEL/TYLER	NSF	
DEP: 18 APR 83 ANNAPOLIS, MD	ZODIAC - CHESAPEAKE BAY		4
ARR: 22 APR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SELIGER (JHU)	NSF	
DEP: 27 APR 83 ANNAPOLIS, MD	PHOTOECOLOGY - CHESAPEAKE BAY	ENTRA	2
ARR: 29 APR 83 ANNAPOLIS, MD			
AREA INDEX: NA6			
DEP: 03 MAY 83 ANNAPOLIS, MD	PHOTOECOLOGY - CHESAPEAKE BAY	ENTRA	2
ARR: 05 MAY 83 ANNAPOLIS, MD			

AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....COLWELL (U OF MD) NSF  
 DEP: 10 MAY 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 10 MAY 83 ANNAPOLIS, MD 0  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....HEINBOKEL/TYLER NSF  
 DEP: 16 MAY 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY  
 ARR: 20 MAY 83 ANNAPOLIS, MD 4  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 24 MAY 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 26 MAY 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....POWERS (JHU) NSF  
 DEP: 01 JUN 83 ANNAPOLIS, MD MUMMICHUG - CHESAPEAKE BAY  
 ARR: 10 JUN 83 ANNAPOLIS, MD 9  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....COLWELL (U OF MD) NSF  
 DEP: 14 JUN 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 14 JUN 83 ANNAPOLIS, MD 0  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....HEINBOKEL/TYLER NSF  
 DEP: 20 JUN 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY  
 ARR: 24 JUN 83 ANNAPOLIS, MD 4  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....COLWELL (U OF MD) NSF  
 DEP: 12 JUL 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 12 JUL 83 ANNAPOLIS, MD 0  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 19 JUL 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 21 JUL 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....POWERS (JHU) NSF  
 DEP: 25 JUL 83 ANNAPOLIS, MD MUMMICHUG - CHESAPEAKE BAY  
 ARR: 29 JUL 83 ANNAPOLIS, MD 4  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....COLWELL (U OF MD) NSF  
 DEP: 02 AUG 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 02 AUG 83 ANNAPOLIS, MD 0  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....HAAS (VIMS) NSF  
 DEP: 06 AUG 83 ANNAPOLIS, MD MICROFLAGELLATES - YORK RIVER  
 ARR: 15 AUG 83 ANNAPOLIS, MD 9  
 AREA INDEX: NA6  
 OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 17 AUG 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA



ARR: 19 AUG 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....HEINBOCKEL/TYLER NSF  
 DEP: 22 AUG 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY  
 ARR: 26 AUG 83 ANNAPOLIS, MD 4  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 06 SEP 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 08 SEP 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....COLWELL (U OF MD) NSF  
 DEP: 12 SEP 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 16 SEP 83 ANNAPOLIS, MD 4  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 20 SEP 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 22 SEP 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....POWERS (JHU) NSF  
 DEP: 26 SEP 83 ANNAPOLIS, MD MUMMICHUG - CHESAPEAKE BAY  
 ARR: 30 SEP 83 ANNAPOLIS, MD 4  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 04 OCT 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 07 OCT 83 ANNAPOLIS, MD 3  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....COLWELL (U OF MD) NSF  
 DEP: 11 OCT 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 11 OCT 83 ANNAPOLIS, MD 0  
 AREA INDEX: NA6

DEP: 02 NOV 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY  
 ARR: 02 NOV 83 ANNAPOLIS, MD 0  
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH.....SELIGER(JHU) NSF  
 DEP: 08 NOV 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 10 NOV 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6

DEP: 21 NOV 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 23 NOV 83 ANNAPOLIS, MD 2  
 AREA INDEX: NA6

DEP: 03 DEC 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA  
 ARR: 15 DEC 83 ANNAPOLIS, MD 12  
 AREA INDEX: NA6  
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ROBERT D CONRAD

POINT OF CONTACT INFORMATION

POC: CAPT S S GRIFFIN  
POC OFFICE: PORT CAPTAIN  
POC ORGANIZATION: MARITIME OPERATION INC  
POC ADDRESS: P O BOX 594  
POC CITY/STATE: PALISADES NY 10964  
FTS PREFIX: 914  
COMMERCIAL AREA CODE: 914  
PHONE: 359-2900

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: CONRAD  
DESIGNATOR: AGOR 3  
CLASS: ROBERT D CONRAD/AGOR 3  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: -  
FLAG REGISTRY: USA  
HOME PORT: NEW YORK NY  
TECHNICAL SPONSOR: U LAMONT-DOHERTY GEOLOGICAL OBSERVATORY  
OPERATIONS CONTROL: MARITIME OPERATIONS INC  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 14 JUN 79 CON  
N00014-69-C-0324  
OPERATING COST/DAY: 4.5/78 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 15  
NUMBER OFFICERS: 6  
NUMBER IN CREW: 14  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 60 DAY(S)  
LIMITING FACTOR: REFRIGERATED STORES  
BUILDER: GIBBS SHIPYARD CORPORATION  
WHERE BUILT: JACKSONVILLE FL USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: 19 JAN 61  
LAUNCH DATE: 26 MAY 62  
DELIVERY DATE: 29 NOV 62  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: 1983  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

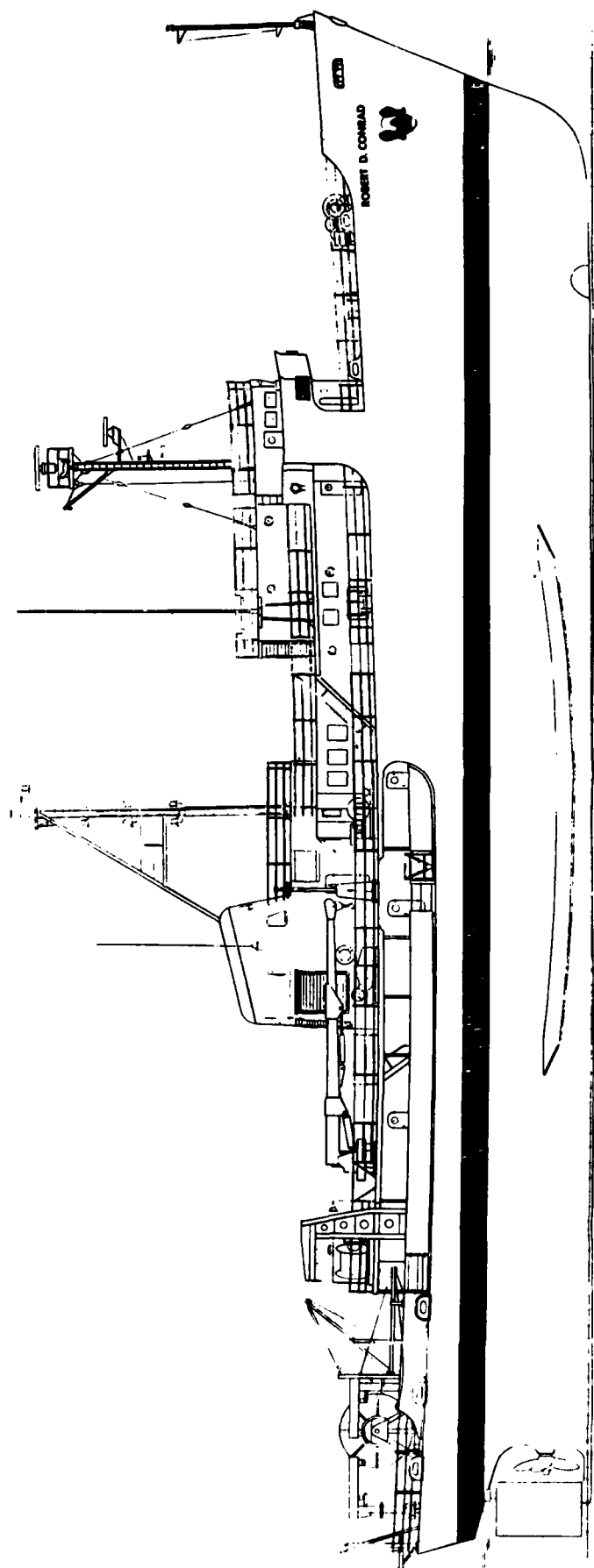
LENGTH: 209.0 FEET  
MAX BEAM: 37.5 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 1425  
DISPLACEMENT: 1370 TONS  
DRAUGHT: 16.8 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 10000 NAUTICAL MILES  
MAX SPEED: 11.0 KNOTS  
MIN SPEED: 1.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL ELECTRIC
AUXILIARY PROPULSION:	GAS TURBINE BT
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	10000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.187 INCHES
04. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.187 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONIX 4051
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	NO
SOUNDING SYSTEM (DEEP):	L-DGO PDR



OUTBOARD PROFILE

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ROBERT D CONRAD

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH.....KATZ.....		NSF	
DEP: 15 JAN 83 JACKSONVILLE, FL	TRANSIT TO BARBADOS & SEQUAL		7
ARR: 22 JAN 83 BARBADOS			
AREA INDEX: NA6 NA9			
DEP: 23 JAN 83 BARBADOS SEQUAL LEG 1			19
ARR: 11 FEB 83 RECIFE, BR			
AREA INDEX: NA9 NA10 SA1			
OCEANOGRAPHIC RESEARCH.....		NSF	
DEP: 15 FEB 83 RECIFE, BR	SEQUAL LEG 2		18
ARR: 05 MAR 83 ABIDJAN			
AREA INDEX: SA1 NA10 NA11 SA2			
OCEANOGRAPHIC RESEARCH.....MACINTYRE.....		NSF	
DEP: 08 MAR 83 ABIDJAN	EQUATORIAL ATLANTIC		28
ARR: 05 APR 83 ABIDJAN			
AREA INDEX: NA10 NA11 SA1 SA2			
OCEANOGRAPHIC RESEARCH.....			
DEP: 08 APR 83 ABIDJAN	TRANSIT TO MEDITERRANEAN		11
ARR: 19 APR 83 CASABLANCA			
AREA INDEX: NA11 NA10 NA7			
OCEANOGRAPHIC RESEARCH.....HAYES/RABINOWITZ.....		NSF	
DEP: 25 APR 83 CASABLANCA	MCS INSTALLATION		35
ARR: 30 MAY 83 MADEIRA ISLANDS	MOROCCAN MARGIN		
AREA INDEX: NA7			
OCEANOGRAPHIC RESEARCH.....			
DEP: 01 JUN 83 MADEIRA ISLANDS	TRANSIT		9
ARR: 10 JUN 83 REYKJAVIK, ICELAND			
AREA INDEX: NA7 NA5 NA1			
OCEANOGRAPHIC RESEARCH.....MUTTER/BUHL.....		NSF	
DEP: 13 JUN 83 REYKJAVIK, IC	NORWEGIAN MARGIN		44
ARR: 27 JUL 83 HALIFAX, NS			
AREA INDEX: NA1 NA2 NA4 NA5 NA6			
OCEANOGRAPHIC RESEARCH.....TUCHOLKE/HOLLISTER.....		NSF	
DEP: 30 JUL 83 HALIFAX, NS	NOVA SCOTIA CONTINENTAL RISE		25
ARR: 24 AUG 83 WOODS HOLE, MA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH.....GRIMM.....			
DEP: 30 AUG 83 WOODS HOLE, MA	DEEP TOW INSTALLATION		12
ARR: 11 SEP 83 WOODS HOLE, MA	TITANIC/GRIMM		
AREA INDEX: NA6 NA7			
OCEANOGRAPHIC RESEARCH.....			
DEP: 15 SEP 83 HALIFAX, NS	TRANSIT TO MEDITERRANEAN		

ARR: 29 SEP 83 VALENCIA, SP		14
AREA INDEX: NA6 NA7		
OCEANOGRAPHIC RESEARCH .....	RYAN/MALDONADO	NSF/CNEXO
DEP: 02 OCT 83 VALENCIA, SP	WESTERN MEDITERRANEAN	
ARR: 14 OCT 83 NAPLES, ITALY		12
AREA INDEX: NA7 NA8		
OCEANOGRAPHIC RESEARCH .....	RYAN/KASTEN	NSF
DEP: 16 OCT 83 NAPLES, IT	EASTERN MEDITERRANEAN	
ARR: 15 NOV 83 NAPLES, IT		30
AREA INDEX: NA8		
OCEANOGRAPHIC RESEARCH .....		
DEP: 19 NOV 83 NAPLES, IT	TRANSIT TO EAST COAST U.S.	
ARR: 07 DEC 83 PORT TBD		18
AREA INDEX: NA8 NA7 NA6		
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CALANUS  
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POINT OF CONTACT INFORMATION

POC: MR JAMES GIBBONS  
POC OFFICE: MARINE OPERATIONS MANAGER, RSMAS  
POC ORGANIZATION: UNIVERSITY OF MIAMI  
POC ADDRESS: 10 RICKENBACKER CAUSEWAY  
POC CITY/STATE: MIAMI FL 33149  
COMMERCIAL AREA CODE: 305  
PHONE: 350-7223  
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ADMINISTRATIVE DETAILS

DESIGNATOR:	ORV	
CLASS:	UNDER 100 GT	
CALL SIGN (INTERNATIONAL):	-	
FLEET:	UNOLS	
SHIP TYPE:	OCEAN RESEARCH-GENERAL	
SHIP OWNER:	UNIVERSITY OF MIAMI	
CERTIFICATION AUTHORITY:	NONE	
FLAG REGISTRY:	USA	
HOME PORT:	MIAMI FL	
TECHNICAL SPONSOR:	U UNIV. OF MIAMI	
OPERATIONS CONTROL:	UNIVERSITY OF MIAMI	
CONTRACTUAL INFORMATION:	NONE	
OPERATING COST/DAY:	0.7/78	THOUSAND \$'S
SCIENTIFIC COMPLEMENT:	6	
NUMBER OFFICERS:	1	
NUMBER IN CREW:	1	
MAX SEA STATE:	4 BEAUFORT SCALE	
ENDURANCE:	15 DAY(S)	
LIMITING FACTOR:	CREW	
BUILDER:	ATLANTIC MARINE INC	
WHERE BUILT:	FL USA	
INITIAL COST:	.089/71	MILLION \$'S IN YEAR
DUE DATE:	-	
KEEL DATE:	00 MAR 71	
LAUNCH DATE:	71	
DELIVERY DATE:	00 SEP 71	
COMMISSION DATE:	00 OCT 71	
CONVERSION DATE:	-	
LAST OVERHAUL:	-	
MAINTENANCE CYCLE:	1.0 YEARS	
END OF LIFE:	1990	
UPDATE OF INFORMATION:	16 DEC 82	

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SHIP DIMENSIONS

LENGTH:	64.0 FEET
MAX BEAM:	20.0 FEET
HEIGHT:	24.0 FEET
GROSS TONNAGE:	83
DISPLACEMENT:	80 TONS
DRAUGHT:	4.9 FEET
CRUISE SPEED:	9.0 KNOTS
RANGE:	2500 NAUTICAL MILES
MAX SPEED:	9.0 KNOTS
MIN SPEED:	4.0 KNOTS

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# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	MG-0/2 DIESEL/LIGHT DO
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 13 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	POUNDS
NUMBER OF CRANES:	0
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	15000 FEET
WIRE DIAMETER:	0.187 INCHES

# ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO

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CALANUS

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH ..... DR LEAMAN ..... NOAA  
 DEP: 11 MAR 83 MIAMI, FL PEGASUS VELOCITY PROFILES - 27N 11  
 ARR: 22 MAR 83 MIAMI, FL FLORIDA STRAITS  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR KING ..... NSF  
 DEP: 18 APR 83 MIAMI, FL NUTRITIONAL ECOLOGY OF MARINE PLANK 25  
 ARR: 13 MAY 83 MIAMI, FL CARNIVORES. BAHAMAS  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR MYRBERG ..... NSF  
 DEP: 20 MAY 83 MIAMI, FL BIO-ACOUSTIC RESEARCH - REEFS ALONG  
 ARR: 26 MAY 83 MIAMI, FL SOUTH FLORIDA COASTLINE 6  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR MORSE ..... NSF  
 DEP: 11 JUN 83 MIAMI, FL SOLUBILITY OF CALCITE & ARAGONITE 1  
 ARR: 30 JUN 83 MIAMI, FL SEAWATER. BAHAMA BANKS 19  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR LEAMAN ..... NOAA  
 DEP: 07 JUL 83 MIAMI, FL PEGASUS VELOCITY PROFILES - 27N 11  
 ARR: 18 JUL 83 MIAMI, FL FLORIDA STRAITS  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR FENICAL ..... NSF  
 DEP: 26 JUL 83 MIAMI, FL INVEST. CHEM DEFENSE OF SOFT-BODIED  
 ARR: 16 AUG 83 MIAMI, FL PLANTS & ANIMALS. SO. BAHAMAS 21  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR MYRBERG ..... NSF  
 DEP: 25 AUG 83 MIAMI, FL BIO-ACOUSTIC RESEARCH - REEFS ALONG  
 ARR: 31 AUG 83 MIAMI, FL SOUTH FLORIDA COASTLINE 6  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR LEAMAN ..... NSF  
 DEP: 12 SEP 83 MIAMI, FL PEGASUS VELOCITY PROFILES - 27N 11  
 ARR: 23 SEP 83 MIAMI, FL FLORIDA STRAITS  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR MYRBERG ..... NSF  
 DEP: 04 OCT 83 MIAMI, FL BIO-ACOUSTIC RESEARCH - REEFS ALONG  
 ARR: 10 OCT 83 MIAMI, FL SOUTH FLORIDA COASTLINE 6  
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH ..... DR KREMER ..... NSF  
 DEP: 19 OCT 83 MIAMI, FL COLLECT & STUDY CTENOPHORE BOLINOPS  
 ARR: 28 OCT 83 MIAMI, FL VITREA. BAHAMAS/DRY TORTUGAS 9  
 AREA INDEX: NA9

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CAPE FLORIDA

POINT OF CONTACT INFORMATION

POC: MR JAMES GIBBONS  
POC OFFICE: MARINE OPERATIONS MANAGER, RSMAS  
POC ORGANIZATION: UNIVERSITY OF MIAMI  
POC ADDRESS: 10 RICKENBACKER CAUSEWAY  
POC CITY/STATE: MIAMI FL 33149  
COMMERCIAL AREA CODE: 305  
PHONE: 350-7223

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: FLORIDA  
DESIGNATOR: -  
CLASS: COASTAL ZONE R/V  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH - COASTAL ZONE  
SHIP OWNER: NATIONAL SCIENCE FOUNDATION  
CERTIFICATION AUTHORITY: -  
FLAG REGISTRY: USA  
HOME PORT: MIAMI FL USA  
TECHNICAL SPONSOR: U UNIV. OF MIAMI  
OPERATIONS CONTROL: U UNIV. OF MIAMI  
CONTRACTUAL INFORMATION: NSF CHARTER PARTY AGREEMENT. EXPIRES 1986.  
OPERATING COST/DAY: -  
SCIENTIFIC COMPLEMENT: 12  
NUMBER OFFICERS: -  
NUMBER IN CREW: 9  
MAX SEA STATE: 7 BEAUFORT SCALE  
ENDURANCE: 21 DAY(S)  
LIMITING FACTOR: DRY STORES  
BUILDER: ATLANTIC MARINE INC.  
WHERE BUILT: FORT GEORGE ISLAND FL  
INITIAL COST: 6.0/81 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: 15 JUN 80  
LAUNCH DATE: -  
DELIVERY DATE: 01 AUG 81  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: -  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 135.0 FEET  
MAX BEAM: 32.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 294  
DISPLACEMENT: 539 TONS  
DRAUGHT: 9.0 FEET  
CRUISE SPEED: 11.0 KNOTS  
RANGE: 7680 NAUTICAL MILES  
MAX SPEED: 12.5 KNOTS  
MIN SPEED: 0.1 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	-
BOW THRUSTER:	-
ACTIVE RUDDER:	-
DYNAMIC POSITIONING:	-
ANTI-ROLL:	-
STABILIZER:	-
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	-
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	-
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 18 FOOT RUBBER INFLATABLE	
2. 18 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	20000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	16200 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	11880 FEET
SECONDARY WIRE DIAM:	0.312 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	24750 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	8910 FEET
SECONDARY WIRE DIAM:	0.312 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	-
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	-
RADAR (SURFACE SCAN):	Y
LORAN A:	-
LORAN C:	Y
OMEGA:	-
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	-
NARROW BEAM:	Y
SEISMIC PROFILING:	-
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	-
SOUNDING SYSTEM (DEEP):	RAYTHEON/EDO

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CAPE FLORIDA

LAST CHANGED 07 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	F SCHOTT	ONR
DEP: 25 JAN 83 MIAMI, FL	PLACE DOPPLER CURRENT PROFILING & M	
ARR: 29 JAN 83 MIAMI, FL	ING DEPLOYMENTS. GULF STREAM	4
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	J MCCLEAVE	NSF
DEP: 09 FEB 83 MIAMI, FL	SAMPLE SPAWNING AMER. & EUROPEAN EEL	
ARR: 01 MAR 83 MIAMI, FL	THERMAL FRONT. S. SARGASSO SEA	20
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	S GRUBER	NSF
DEP: 09 MAR 83 MIAMI, FL	STUDY LEMON SHARK AS PREDATOR IN TR	
ARR: 23 MAR 83 MIAMI, FL	MARINE ENVIRN. BAHAMA & FL KEY	14
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	J MCCLEAVE	NSF
DEP: 31 MAR 83 MIAMI, FL	SAMPLE SPAWNING AMER. & EUROPEAN EEL	
ARR: 20 APR 83 MIAMI, FL	THERMAL FRONT. S. SARGASSO SEA	20
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	R COLWELL	NSF
DEP: 27 APR 83 MIAMI, FL	STUDIES OF MARINE BACTERIA, PUERTO	
ARR: 10 MAY 83 MIAMI, FL	TRENCH. PUERTO RICO PORT CALL	13
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	L FARMER	NSF
DEP: 21 MAY 83 MIAMI, FL	UNDERGRADUATE MARINE SCIENCE PROGRA	
ARR: 28 MAY 83 MIAMI, FL	TRAINING. FLORIDA STRAITS	7
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	S GRUBER	NSF
DEP: 19 JUN 83 MIAMI, FL	STUDY LEMON SHARK AS PREDATOR IN TR	
ARR: 03 JUL 83 MIAMI, FL	MARINE ENVIRN. BAHAMA & FL KEY	14
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	R HOUGHTON	NSF
DEP: 10 JUL 83 MIAMI, FL	HYDRO. & NUTRIENT CHEMISTRY. N.Y. B	
ARR: 01 AUG 83 MIAMI, FL	OFF LONG IS. PORT CALLS TBD	22
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	S GRUBER	NSF
DEP: 06 SEP 83 MIAMI, FL	STUDY LEMON SHARK AS PREDATOR IN TR	
ARR: 20 SEP 83 MIAMI, FL	MARINE ENVIRN. BAHAMA & FL KEY	14
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	R HODSON	NSF
DEP: 01 OCT 83 MIAMI, FL	STUDY DECOMPOSITION OF ORGANIC COMP	
ARR: 10 OCT 83 MIAMI, FL	OFF SAVANNAH	9
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	A MITSUI	NSF
DEP: 19 OCT 83 MIAMI, FL	USE OF MARINE BLUE GREEN ALGAE FOR	
ARR: 02 NOV 83 MIAMI, FL	CULTURE. BAHAMAS	14
AREA INDEX: NA6 NA9		

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COLUMBUS ISELIN

POINT OF CONTACT INFORMATION

POC: MR JAMES GIBBONS  
POC OFFICE: OPERATIONS MANAGER, RSMAS  
POC ORGANIZATION: UNIVERSITY OF MIAMI  
POC ADDRESS: 10 RICKENBACKER CAUSEWAY  
POC CITY/STATE: MIAMI FL 33149  
COMMERCIAL AREA CODE: 305  
PHONE: 350-7223

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: ISELIN  
DESIGNATOR: ORV  
CLASS: -  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: UNIV. OF MIAMI  
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING  
FLAG REGISTRY: USA  
HOME PORT: MIAMI FL  
TECHNICAL SPONSOR: U UNIV. OF MIAMI  
OPERATIONS CONTROL: UNIV. OF MIAMI  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 3,578  
SCIENTIFIC COMPLEMENT: 13  
NUMBER OFFICERS: 6  
NUMBER IN CREW: 6  
MAX SEA STATE: 5 BEAUFORT SCALE  
ENDURANCE: 30 DAY(S)  
LIMITING FACTOR: CREW  
BUILDER: J BELLINGER SHIPYARDS INC  
WHERE BUILT: JACKSONVILLE FL USA  
INITIAL COST: 14.4/72 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: 00 FEB 71  
LAUNCH DATE: 01 MAR 72  
DELIVERY DATE: 15 SEP 72  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: 1.0 YEARS  
END OF LIFE: 2002  
UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 170.0 FEET  
MAX BEAM: 36.0 FEET  
HEIGHT: 60.0 FEET  
GROSS TONNAGE: 281  
DISPLACEMENT: 830 TONS  
DRAUGHT: 10.5 FEET  
CRUISE SPEED: 13.0 KNOTS  
RANGE: 9700 NAUTICAL MILES  
MAX SPEED: 14.5 KNOTS  
MIN SPEED: 1.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2-1 DIESEL/MG-0/LIGHT DO/
BOW THRUSTER:	TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 18 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	20000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	OCEANOGRAPHIC
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.187 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	OCEANOGRAPHIC
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.187 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO, GIFFT

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COLUMBUS ISELIN

LAST CHANGED 07 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	W SCHLAGER	NSF
DEP: 11 JAN 83 MIAMI, FL	PISTON CORES OF SEDIMENTS. DEEP WAT	
ARR: 24 JAN 83 MIAMI, FL	TROUGHS OF BAHAMAS ARCHIPELAGO	13
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	HARBISON	NSF
DEP: 04 FEB 83 MIAMI, FL	BIOLOGY OF GELATINOUS ZOOPLANKTON	
ARR: 18 FEB 83 BERMUDA	SARGASSO SEA	14
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	MADIN	NSF
DEP: 21 FEB 83 BERMUDA	IN SITU & LAB STUDIES OCEANIC PLANK	
ARR: 12 MAR 83 WOODS HOLE	SARGASSO SEA, BERMUDA TO WHOI	19
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	N HOGG	ONR/NSF
DEP: 16 MAR 83 WOODS HOLE	DEPLOY 11 MOORINGS 60-70W, 35-40N.	
ARR: 25 MAR 83 WOODS HOLE	NEW ENGLAND SEAMOUNT CHAIN	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	S WATSON	NSF
DEP: 28 MAR 83 WOODS HOLE	STUDY ROLE OF CYANOBACTERIA IN THE	
ARR: 10 APR 83 WOODS HOLE	SARGASSO SEA	13
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		NSF
DEP: 13 APR 83 WOODS HOLE	TRANSIT	
ARR: 14 APR 83 NARRAGANSETT, RI		1
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	R WATTS	NSF
DEP: 16 APR 83 NARRAGANSETT, RI	RECOVER/RESET ECHO SOUNDER ARRAY &	
ARR: 26 APR 83 NARRAGANSETT, RI	GULF STREAM, NE OF C. HATTERAS	10
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		NSF
DEP: 28 APR 83 NARRAGANSETT, RI	TRANSIT	
ARR: 02 MAY 83 MIAMI, FL		4
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	C NITTROUER	NSF
DEP: 12 MAY 83 MIAMI, FL	EXAMINE OCEANOGRAPHIC PROCESSES	
ARR: 22 MAY 83 BELEM, BRAZIL	AMAZON CONTINENTAL SHELF LEG I	10
AREA INDEX: NA9 NA10 SA1		
DEP: 25 MAY 83 BELEM, BR	CONTINUE AMAZON CONTINENTAL SHELF	
ARR: 13 JUN 83 BELEM, BR	STUDIES. LEG II	19
AREA INDEX: SA1 NA10		
DEP: 17 JUN 83 BELEM, BR	CONTINUE AMAZON CONTINENTAL SHELF	
ARR: 06 JUL 83 BELEM, BR	STUDIES. LEG III	19
AREA INDEX: SA1 NA10		

OCEANOGRAPHIC RESEARCH.....		HARRISON.....	NSF
DEP: 10 JUL 83	BELEM, BR	BIOLOGY OF GELATINOUS ZOOPLANKTON	24
ARR: 03 AUG 83	BARBADOS	CARIBBEAN SEA	
AREA INDEX: SA1	NA10 NA9		
OCEANOGRAPHIC RESEARCH.....		DEUSER.....	NSF
DEP: 07 AUG 83	BARBADOS	RECOVER SEDIMENT TRAP OFF BARBADOS	9
ARR: 16 AUG 83	MIAMI, FL		
AREA INDEX: NA9			
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CAYUSE

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POINT OF CONTACT INFORMATION

POC: MS GAIL LIRAGIS  
 POC OFFICE: SHIP SCHEDULER  
 POC ORGANIZATION: MOSS LANDING MARINE LABORATORY  
 POC ADDRESS: P O BOX 223  
 POC CITY/STATE: MOSS LANDING CA 95039  
 FTS PREFIX: 408  
 COMMERCIAL AREA CODE: 408  
 PHONE: 633-3304

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ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
 CLASS: PURSE SEINER  
 CALL SIGN (INTERNATIONAL): -  
 FLEET: UNOLS  
 SHIP TYPE: OCEANOGRAPHIC MOTOR VESSEL  
 SHIP OWNER: NATIONAL SCIENCE FOUNDATION  
 CERTIFICATION AUTHORITY: -  
 FLAG REGISTRY: USA  
 HOME PORT: MOSS LANDING CA  
 TECHNICAL SPONSOR: U MOSS LANDING MARINE LABORATORY  
 OPERATIONS CONTROL: MOSS LANDING MARINE LABORATORY  
 CONTRACTUAL INFORMATION: NONE  
 OPERATING COST/DAY: 2.0/78 THOUSAND \$'S  
 SCIENTIFIC COMPLEMENT: 8  
 NUMBER OFFICERS: 4  
 NUMBER IN CREW: 3  
 MAX SEA STATE: 4 BEAUFORT SCALE  
 ENDURANCE: 20 DAY(S)  
 LIMITING FACTOR: STORES  
 BUILDER: ALBINA ENGINE AND MACHINE WORKS  
 WHERE BUILT: PORTLAND OR USA  
 INITIAL COST: -  
 DUE DATE: -  
 KEEL DATE: -  
 LAUNCH DATE: -68  
 DELIVERY DATE: -68  
 COMMISSION DATE: -  
 CONVERSION DATE: -  
 LAST OVERHAUL: 23 DEC 80  
 MAINTENANCE CYCLE: 2.0 YEARS  
 END OF LIFE: 1993  
 UPDATE OF INFORMATION: 25 OCT 82

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SHIP DIMENSIONS

LENGTH: 80.0 FEET  
 MAX BEAM: 24.0 FEET  
 HEIGHT: - FEET  
 GROSS TONNAGE: 165  
 DISPLACEMENT: 173 TONS  
 DRAUGHT: 10.0 FEET  
 CRUISE SPEED: 9.0 KNOTS  
 RANGE: 4500 NAUTICAL MILES  
 MAX SPEED: 10.0 KNOTS  
 MIN SPEED: 0.5 KNOTS

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# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	-
1. 14 FOOT BOSTON WHALER	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	19800 FEET
WIRE DIAMETER:	0.375 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2970 FEET
WIRE DIAMETER:	5.219 INCHES
SECONDARY WIRE LEN:	9900 FEET
SECONDARY WIRE DIAM:	0.187 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	JRC/RAYTHEON

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CAYUSE

LAST CHANGED 02 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE .....

MLML

DEP: 03 JAN 83 MOSS LANDING, CA CRANE INSTALLATION  
ARR: 20 FEB 83 MOSS LANDING, CA  
AREA INDEX: NP9

42

OCEANOGRAPHIC RESEARCH ..... K JOHNSON .....

UCSB

DEP: 21 FEB 83 MOSS LANDING, CA SEAWATER NUTRIENTS  
ARR: 25 FEB 83 MOSS LANDING, CA MONTEREY TO POINT CONCEPTION  
AREA INDEX: NP9

4

OCEANOGRAPHIC RESEARCH ..... M CARLIN .....

CITY OF S.F.

DEP: 28 FEB 83 MOSS LANDING, CA OUT FALL MONITORING - SAN FRANCISCO  
ARR: 04 MAR 83 MOSS LANDING, CA  
AREA INDEX: NP9

5

OCEANOGRAPHIC RESEARCH .....

ARMY CORPS OF

DEP: 07 MAR 83 MOSS LANDING, CA DREDGE DISPOSAL STUDY-OFF FARALLON  
ARR: 13 MAR 83 MOSS LANDING, CA  
AREA INDEX: NP9

7

OCEANOGRAPHIC RESEARCH ..... G KNAUER .....

MLML

DEP: 21 MAR 83 MOSS LANDING, CA BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL  
ARR: 25 MAR 83 MOSS LANDING, CA  
AREA INDEX: NP9

4

OPEN .....

DEP: 22 MAR 83 MOSS LANDING, CA OPEN  
ARR: 15 APR 83 MOSS LANDING, CA  
AREA INDEX: OPEN

19

OCEANOGRAPHIC RESEARCH ..... B WURSIG .....

MLML

DEP: 16 APR 83 MOSS LANDING, CA MLML CONSORTIUM CRUISE  
ARR: 17 APR 83 MOSS LANDING, CA  
AREA INDEX: NP9

2

OPEN .....

DEP: 18 APR 83 MOSS LANDING, CA OPEN  
ARR: 30 APR 83 MOSS LANDING, CA  
AREA INDEX: OPEN

13

OCEANOGRAPHIC RESEARCH ..... B PREZELIN .....

UCSB

DEP: 01 MAY 83 MOSS LANDING, CA PHOTONUTRITIVE REGULATION. SANTA BA  
ARR: 14 MAY 83 MOSS LANDING, CA BASIN. PT HUENEME PORT CALLS  
AREA INDEX: NP9

14

OCEANOGRAPHIC RESEARCH ..... J BROENKOW .....

MLML

DEP: 23 MAY 83 MOSS LANDING, CA VERTICAL TRANSPORT(VERTEX)-MONTEREY  
ARR: 27 MAY 83 MOSS LANDING, CA  
AREA INDEX: NP9

4

OCEANOGRAPHIC RESEARCH ..... M CARLIN .....

CITY OF S.F.

DEP: 30 MAY 83 MOSS LANDING, CA      OUTFALL MONITORING-SAN FRANCISCO BA  
 ARR: 03 JUN 83 MOSS LANDING, CA      4  
 AREA INDEX: NP9  
 OCEANOGRAPHIC RESEARCH ..... G KNAUER ..... MLML  
 DEP: 06 JUN 83 MOSS LANDING, CA      BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL  
 ARR: 10 JUN 83 MOSS LANDING, CA      4  
 AREA INDEX: NP9  
 OCEANOGRAPHIC RESEARCH ..... ARMY CORPS OF  
 DEP: 12 JUN 83 MOSS LANDING, CA      DREDGE DISPOSAL STUDY-OFF FARALLON  
 ARR: 18 JUN 83 MOSS LANDING, CA      7  
 AREA INDEX: NP9  
 OCEANOGRAPHIC RESEARCH ..... W BROENKOW ..... MLML  
 DEP: 20 JUN 83 MOSS LANDING, CA      VERTICAL TRANSPORT(VERTEX)-MONTEREY  
 ARR: 24 JUN 83 MOSS LANDING, CA      4  
 AREA INDEX: NP9  
 OCEANOGRAPHIC RESEARCH ..... W BROENKOW/J MARTIN      MLML  
 DEP: 06 JUL 83 MOSS LANDING, CA      VERTICAL TRANSPORT(VERTEX) - 28N, 1  
 ARR: 06 SEP 83 MOSS LANDING, CA      PORT CALLS IN HONOLULU      62  
 AREA INDEX: NP9      NP12  
 OCEANOGRAPHIC RESEARCH ..... K JOHNSON      UCSB  
 DEP: 19 SEP 83 MOSS LANDING, CA      SEAWATER NUTRIENTS  
 ARR: 23 SEP 83 MOSS LANDING, CA      MONTEREY TO POINT CONCEPTION      4  
 AREA INDEX: NP9  
 OPEN .....  
 DEP: 26 SEP 83 MOSS LANDING, CA      OPEN      5  
 ARR: 30 SEP 83 MOSS LANDING, CA  
 AREA INDEX: OPEN  
 OCEANOGRAPHIC RESEARCH ..... G KNAUER ..... MLML  
 DEP: 03 OCT 83 MOSS LANDING, CA      BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL  
 ARR: 07 OCT 83 MOSS LANDING, CA      4  
 AREA INDEX: NP9  
 OPEN .....  
 DEP: 17 OCT 83 MOSS LANDING, CA      OPEN      18  
 ARR: 04 NOV 83 MOSS LANDING, CA  
 AREA INDEX: OPEN  
 OCEANOGRAPHIC RESEARCH ..... J MARTIN/G KNAUER      MLML  
 DEP: 07 NOV 83 MOSS LANDING, CA      VERTICAL TRANSPORT(VERTEX)  
 ARR: 14 NOV 83 MOSS LANDING, CA      OFF CENTRAL CALIFORNIA      7  
 AREA INDEX: NP9  
 OPEN .....  
 DEP: 15 NOV 83 MOSS LANDING, CA      OPEN      46  
 ARR: 31 DEC 83 MOSS LANDING, CA  
 AREA INDEX: OPEN  
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WECOMA  
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POINT OF CONTACT INFORMATION

POC: CAPT K PALFREY  
POC OFFICE: MARINE SUPERINTENDENT  
POC ORGANIZATION: OREGON STATE U. SCH OF OCEANOGRAPHY  
POC ADDRESS: MARINE SCIENCE CENTER  
POC CITY/STATE: NEWPORT OR 97365  
FTS PREFIX: 503  
COMMERCIAL AREA CODE: 503  
PHONE: 867-3011  
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ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
CLASS: OCEANUS  
CALL SIGN (INTERNATIONAL): KR5F  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: NSF  
CERTIFICATION AUTHORITY: -  
FLAG REGISTRY: USA  
HOME PORT: NEWPORT OR  
TECHNICAL SPONSOR: U OREGON STATE UNIVERSITY  
OPERATIONS CONTROL: OREGON STATE UNIVERSITY  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 7.0/82 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 16  
NUMBER OFFICERS: 0  
NUMBER IN CREW: 13  
MAX SEA STATE: 6 BEAUFORT SCALE  
ENDURANCE: 30 DAY(S)  
LIMITING FACTOR: FUEL  
BUILDER: PETERSON BUILDERS  
WHERE BUILT: USA  
INITIAL COST: 3.1/75 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: -75  
DELIVERY DATE: -75  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -81  
MAINTENANCE CYCLE: 2.0 YEARS  
END OF LIFE: 2001  
UPDATE OF INFORMATION: 01 NOV 82  
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SHIP DIMENSIONS

LENGTH: 177.0 FEET  
MAX BEAM: 33.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 289  
DISPLACEMENT: 1015 TONS  
DRAUGHT: 18.6 FEET  
CRUISE SPEED: 11.5 KNOTS  
RANGE: 7500 NAUTICAL MILES  
MAX SPEED: 14.5 KNOTS  
MIN SPEED: 1.0 KNOTS  
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# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL/JP-5
BOW THRUSTER:	TRAINABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	20X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	
1. 13 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	TRAWL
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.375 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	23000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES

## ELECTRONIC EQUIPMENT

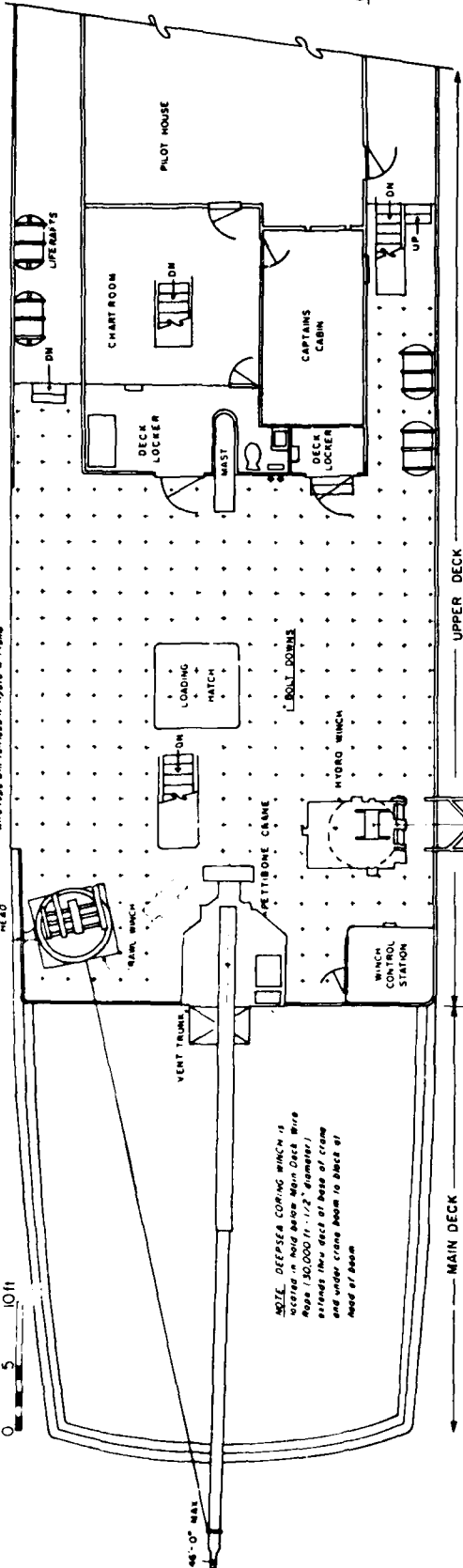
COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	EDO/RAYTHEON

# R/V WECOMA OREGON STATE UNIVERSITY

11 MARCH 1981

0 5 10 ft

NOTE: Time March 1981 on 11. 1981  
Note: Time March 1981 on 11. 1981



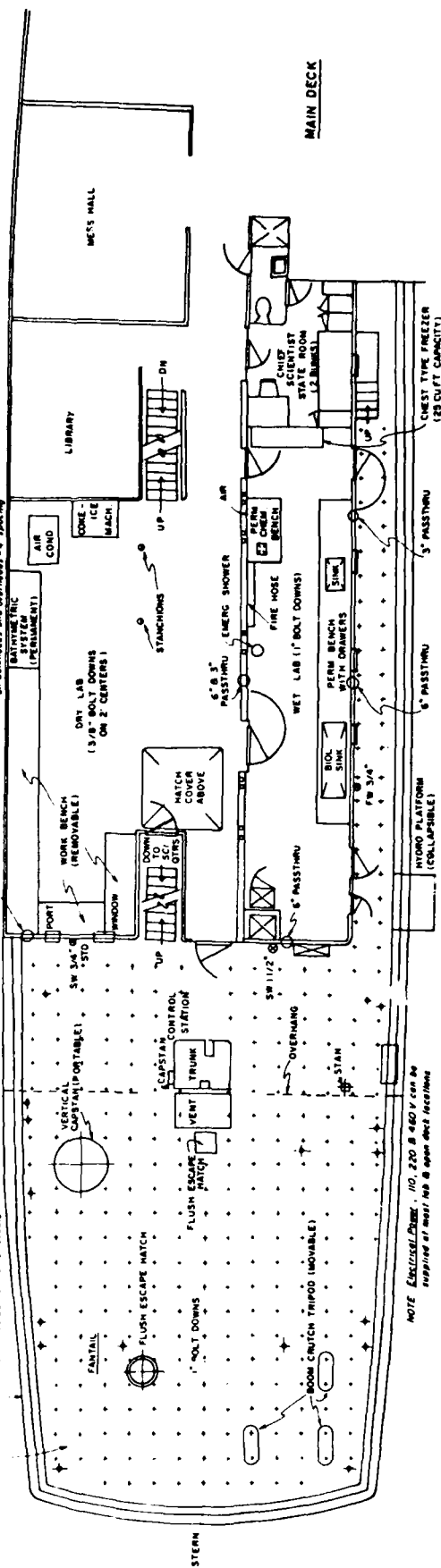
NOTE: DEEPSEA CORING WINCH is  
located in hold below Main Deck. Wire  
Rope 150,000 lb. 1 1/2\" diameter.  
extends thru deck at base of crane  
and under crane boom to back of  
hold at boom

NOTE: Hydro A-Frame built in deck.  
Can be moved at will

APR → FORWARD

NOTE: One escape hatch on fantail must be kept clear  
All fantail bulkheads are removable

NOTE: Bath may be equipped with unit  
for hulls and underwater lighting



NOTE: ESCAPE HATCH: 110, 220 & 440 v can be  
removed at most but 8 open deck locations

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WECOMA

LAST CHANGED 09 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	OSU	
DEP: 14 DEC 82 NEWPORT, OR	HOLIDAY INPORT	
ARR: 09 JAN 83 NEWPORT, OR		27
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	ALLEN/SMITH/HUYER	NSF
DEP: 10 JAN 83 NEWPORT, OR	OFF NO.CALIF/SO.OREGON - LARGE SCAL	
ARR: 17 JAN 83 SAN DIEGO, CA	WEST COAST SHELF EXP.	8
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH		OSU
DEP: 18 JAN 83 SAN DIEGO, CA	TRANSIT TO BALBOA	
ARR: 28 JAN 83 BALBOA, CZ		11
AREA INDEX: NP9 NP13		
OCEANOGRAPHIC RESEARCH	SMITH	NSF
DEP: 01 FEB 83 BALBOA, CZ	OFF PERU 1N-12S, 85W. EASTERN	
ARR: 24 FEB 83 CALLAO, PERU	BOUNDARY UNDERCURRENT	24
AREA INDEX: NP13 SP3A		
OCEANOGRAPHIC RESEARCH	BARRER/SMITH	NSF
DEP: 01 MAR 83 CALLAO, PERU	OFF ECUADOR & PERU. BIOLOGICAL RESP	
ARR: 25 MAR 83 BALBOA, CZ	TO VARIABILITY	25
AREA INDEX: SP3A NP13		
OCEANOGRAPHIC RESEARCH		OSU
DEP: 29 MAR 83 BALBOA, CZ	TRANSIT TO SAN DIEGO	
ARR: 08 APR 83 SAN DIEGO, CA		11
AREA INDEX: NP13 NP9		
OCEANOGRAPHIC RESEARCH	ALLEN/SMITH/HUYER	NSF
DEP: 08 APR 83 SAN DIEGO, CA	N.CAL. CODE & LARGE SCALE WEST COAS	
ARR: 12 APR 83 SAN FRANCISCO, CA		5
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	BEARDSLEY	NSF
DEP: 13 APR 83 SAN FRANCISCO, CA	N.CAL. CODE & LARGE SCALE WEST COAS	
ARR: 15 APR 83 NEWPORT, OR		3
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	ALLEN/SMITH/HUYER	NSF
DEP: 16 APR 83 NEWPORT, OR	N.CAL. CODE & LARGE SCALE WEST COAS	
ARR: 19 APR 83 NEWPORT, OR		4
AREA INDEX: NP9		
OUT OF SERVICE		OSU
DEP: 20 APR 83 NEWPORT, OR	MAINTENANCE	
ARR: 18 MAY 83 NEWPORT, OR		29
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	ANDERSON	DOE



DEP: 19 MAY 83 NEWPORT, OR	SO. WASH. - MECHANISMS OF TRANSFER	0
ARR: 22 MAY 83 NEWPORT, OR	ENERGY	4
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	SIEBENALLER	NSF
DEP: 23 MAY 83 NEWPORT, OR	ORE. COAST - BIOCHEMICAL ADAPTATION	5
ARR: 27 MAY 83 NEWPORT, OR		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	KULM, ET.AL.	NSF
DEP: 01 JUN 83 NEWPORT, OR	OREGON/WASHINGTON MARGIN	
ARR: 26 JUN 83 NEWPORT, OR	SUBDUCTION PROCESSES	26
AREA INDEX: NP9		
OUT OF SERVICE		OSU
DEP: 27 JUN 83 NEWPORT, OR	STAGING	14
ARR: 10 JUL 83 NEWPORT, OR		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	MARTIN, ET.AL.	NSF
DEP: 11 JUL 83 NEWPORT, OR	VERTEX. NO. OF HAWAII. 32N, 158W	INP
ARR: 03 SEP 83 NEWPORT, OR	IN HONOLULU & MONTEREY	55
AREA INDEX: NP9 NP8 NP12		
OUT OF SERVICE		OSU
DEP: 04 SEP 83 NEWPORT, OR	IN PORT. DRY DOCK PERIOD 10-25 SEP.	35
ARR: 09 OCT 83 NEWPORT, OR		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	SIEBENALLER	NSF
DEP: 10 OCT 83 NEWPORT, OR	ORE. COAST	
ARR: 14 OCT 83 NEWPORT, OR	BIOCHEMICAL ADAPTATIONS	5
AREA INDEX: NP9		
OUT OF SERVICE		OSU
DEP: 15 OCT 83 NEWPORT, OR	STAGING	6
ARR: 20 OCT 83 NEWPORT, OR		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	PAULSON, ET.AL.	ONR/NASA
DEP: 21 OCT 83 NEWPORT, OR	OFF SOUTHERN CALIFORNIA	
ARR: 18 NOV 83 SAN DIEGO, CA	UPPER OCEAN DYNAMICS	29
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	MURRAY, ET.AL.	NSF
DEP: 22 NOV 83 SAN DIEGO, CA	OFF BAJA CALIFORNIA - DIAGENESIS OF	
ARR: 21 DEC 83 NEWPORT, OR	NUTRIENTS & GASES	30
AREA INDEX: NP9 NP13		
OUT OF SERVICE		OSU
DEP: 22 DEC 83 NEWPORT, OR	HOLIDAY PERIOD.	26
ARR: 16 JAN 84 NEWPORT, OR		
AREA INDEX: NP9		
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ENDEAVOR  
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POINT OF CONTACT INFORMATION

POC: MR JOHN F BASH  
POC OFFICE: ASSISTANT MARINE SUPERINTENDENT  
POC ORGANIZATION: GRADUATE SCHOOL OF OCEANOGRAPHY  
POC ADDRESS: UNIVERSITY OF RHODE ISLAND  
POC CITY/STATE: NARRAGANSETT RI 02882  
COMMERCIAL AREA CODE: 401  
PHONE: 792-6203  
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ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
CLASS: OCEANUS  
CALL SIGN (INTERNATIONAL): WVFQ  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: NSF  
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING  
FLAG REGISTRY: USA  
HOME PORT: NARRAGANSETT RI  
TECHNICAL SPONSOR: UNIV. OF RHODE ISLAND  
OPERATIONS CONTROL: UNIV. OF RHODE ISLAND  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 6.9/83  
SCIENTIFIC COMPLEMENT: 16  
NUMBER OFFICERS: 6  
NUMBER IN CREW: 6  
MAX SEA STATE: 5 BEAUFORT SCALE  
ENDURANCE: 25 DAY(S)  
LIMITING FACTOR: REFRIGERATED STORES  
BUILDER: PETERSON BUILDERS INC  
WHERE BUILT: STURGEON BAY WI USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: 23 JAN 75  
LAUNCH DATE: 06 SEP 75  
DELIVERY DATE: 28 OCT 76  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: 01 DEC 82  
MAINTENANCE CYCLE: 1.0 YEARS  
END OF LIFE: 2001  
UPDATE OF INFORMATION: 15 DEC 82  
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THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 177.0 FEET  
MAX BEAM: 33.0 FEET  
HEIGHT: 88.2 FEET  
GROSS TONNAGE: 293  
DISPLACEMENT: 972 TONS  
DRAUGHT: 17.6 FEET  
CRUISE SPEED: 12.0 KNOTS  
RANGE: 5540 NAUTICAL MILES  
MAX SPEED: 15.4 KNOTS  
MIN SPEED: 0.1 KNOTS  
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# ENGINEERING/DECK EQUIPMENT

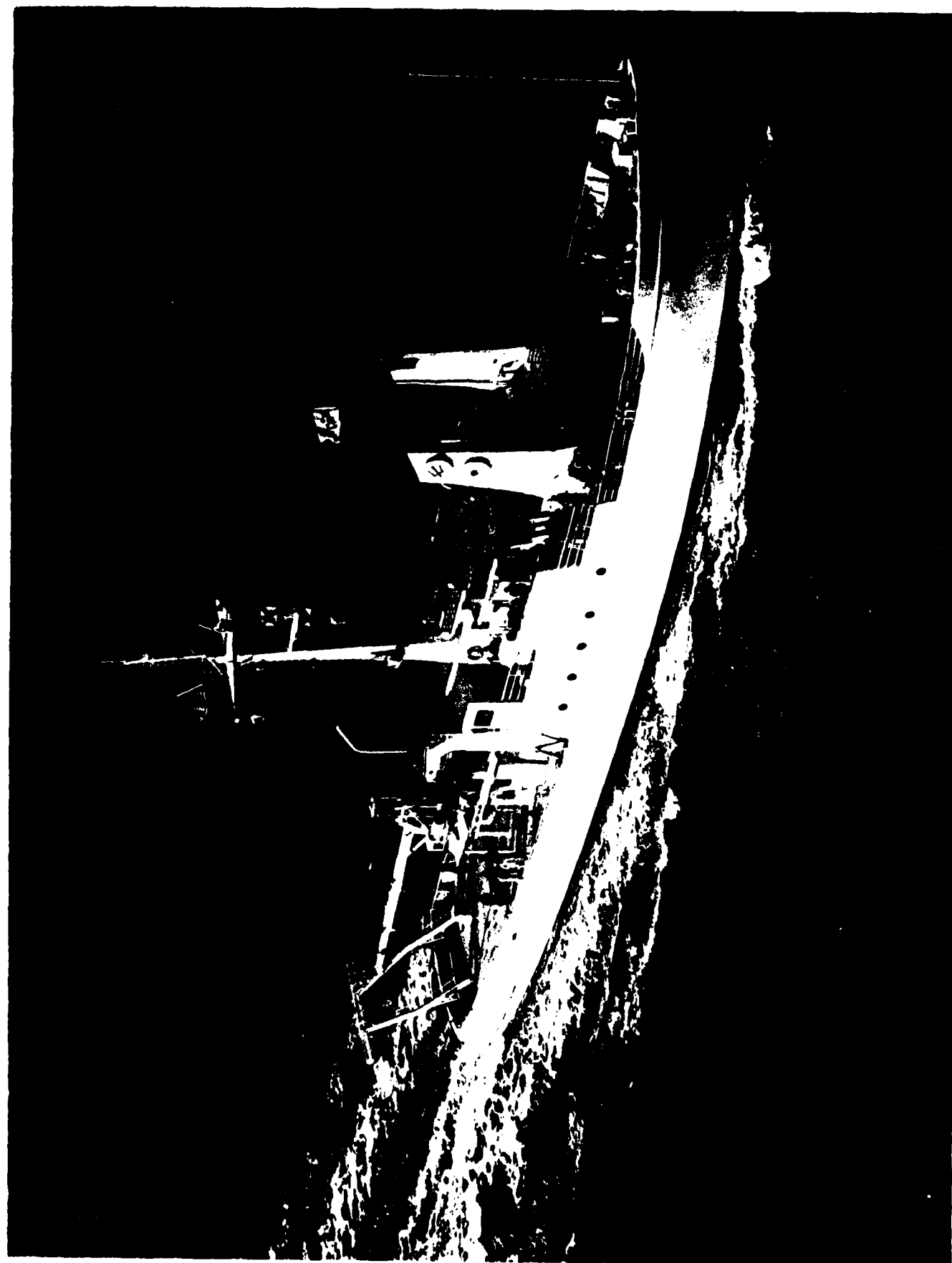
MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	1
FUEL TYPE:	DIESEL 2
BOW THRUSTER:	TRAINABLE WATER JET
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	N
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 13 FOOT RUBBER INFLATABLE	
2. 13 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	25000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	18000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	22960 FEET
WIRE DIAMETER:	0.225 INCHES
SECONDARY WIRE LEN:	28540 FEET
SECONDARY WIRE DIAM:	0.182 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	12380 FEET
SECONDARY WIRE DIAM:	0.312 INCHES
03. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	TRAWL
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	26240 FEET
WIRE DIAMETER:	7.630 INCHES
SECONDARY WIRE LEN:	32000 FEET
SECONDARY WIRE DIAM:	0.500 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NOVA 1220
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	-
NARROW BEAM:	-

SEISMIC PROFILING:	Y
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	ROSS DS-1000
SOUNDING SYSTEM (DEEP):	-

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# ENDEAVOR

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		UNIV OF RHODE
DEP: 01 DEC 82 NARRAGANSETT	MAINTENANCE	
ARR: 13 JAN 83 NARRAGANSETT		44
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	T. ROSSBY	NSF/ONR
DEP: 14 JAN 83 NARRAGANSETT, RI	EN-093. GULF STREAM STUDIES IN THE	
ARR: 23 JAN 83 NARRAGANSETT, RI	VICINITY OF CAPE HATTERAS	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	B. OWENS/J. PRICE	NSF
DEP: 26 JAN 83 NARRAGANSETT, RI	EN-094 TRANSIT TO WHOI	
ARR: 26 JAN 83 WOODS HOLE, MA		0
AREA INDEX: NA6		
DEP: 28 JAN 83 WOODS HOLE, MA	EN-094. EDDY INDUCED DIFFUSION	
ARR: 02 FEB 83 WOODS HOLE, MA	NEAR 34N 70W	5
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	HAMPSON	BLM
DEP: 04 FEB 83 WOODS HOLE, MA	EN-095. GEORGES BANK SAMPLING CURRE	
ARR: 15 FEB 83 NARRAGANSETT, RI	NUTRIENTS, SUSP. SEDIMENTS, BIOL.	11
AREA INDEX: NA6		
OUT OF SERVICE		UNIV OF RHODE
DEP: 16 FEB 83 NARRAGANSETT, RI	MAINTENANCE	
ARR: 11 MAR 83 NARRAGANSETT, RI		23
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	T. ROSSBY	ONR
DEP: 12 MAR 83 NARRAGANSETT, RI	EN-096. GULF STREAM STUDIES IN THE	
ARR: 21 MAR 83 NARRAGANSETT, RI	VICINITY OF CAPE HATTERAS	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	A. DRISCOLL	DOE/NSF
DEP: 24 MAR 83 NARRAGANSETT, RI	EN-097. W. NORTH ATLANTIC--DEEP WATE	
ARR: 29 MAR 83 NARRAGANSETT, RI	TEST OF NEW DEEP SEA WINCH	5
AREA INDEX: NA6		
OUT OF SERVICE		UNIV OF RHODE
DEP: 30 MAR 83 NARRAGANSETT, RI	MAINTENANCE	
ARR: 06 APR 83 NARRAGANSETT, RI		7
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	LARGE/BRISCOE	ONR
DEP: 07 APR 83 NARRAGANSETT, RI	EN-098. CAPE HATTERAS--GULF STREAM	
ARR: 16 APR 83 NARRAGANSETT, RI	STUDIES	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	E. LAINE	DOE
DEP: 19 APR 83 NARRAGANSETT, RI	EN-099. CAPE HATTERAS--MODERN	

ARR: 01 MAY 83 NARRAGANSETT, RI	SEDIMENTARY DYNAMICS	12
AREA INDEX: NA6		
DEP: 04 MAY 83 NARRAGANSETT, RI	EN-099. CAPE HATTERAS--MODERN	3
ARR: 07 MAY 83 NARRAGANSETT, RI	SEDIMENTARY DYNAMICS	
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	T. ROSSBY/LEVINE	NSF/NUSC
DEP: 11 MAY 83 NARRAGANSETT, RI	EN-101. GULF STREAM PEGASUS WORK	13
ARR: 24 MAY 83 WOODS HOLE, MA		
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	RICHARDSON	NSF
DEP: 26 MAY 83 WOODS HOLE, MA	EN-102. W. NORTH ATLANTIC PHYSICAL	20
ARR: 15 JUN 83 WOODS HOLE, MA	OCEANOGRAPHY	
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		UNIV OF RHODE
DEP: 16 JUN 83 WOODS HOLE, MA	EN-102. TRANSIT TO NARRAGANSETT	0
ARR: 16 JUN 83 NARRAGANSETT, RI		
AREA INDEX: NA6		
.....		
OUT OF SERVICE		UNIV OF RHODE
DEP: 17 JUN 83 NARRAGANSETT, RI	MAINTENANCE	5
ARR: 22 JUN 83 NARRAGANSETT, RI		
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		NSF
DEP: 22 JUN 83 NARRAGANSETT, RI	EN-103. TRANSIT TO ICELAND	7
ARR: 29 JUN 83 REYKJAVIK, IC		
AREA INDEX: NA6 NA4 NA5		
OCEANOGRAPHIC RESEARCH	E. SWIFT	NSF/ONR
DEP: 01 JUL 83 REYKJAVIK, IC	EN-104. NORTH ATLANTIC--NORTHERN	15
ARR: 16 JUL 83 REYKJAVIK, IC	LATITUDE BIOLUMINESCENCE	
AREA INDEX: NA5 NA1		
DEP: 19 JUL 83 REYKJAVIK, IC	EN-104. NORTH ATLANTIC--NORTHERN	15
ARR: 03 AUG 83 NARRAGANSETT, RI	LATITUDE BIOLUMINESCENCE	
AREA INDEX: NA5 NA1 NA4 NA6		
OCEANOGRAPHIC RESEARCH	L. MAYER/R. DETRICK	ONR
DEP: 08 AUG 83 NARRAGANSETT, RI	EN-105. W. NORTH ATLANTIC--SEISMIC	13
ARR: 21 AUG 83 NARRAGANSETT, RI	INTERCALIBRATION EQUIPMENT	
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	E. LAINE	DOE
DEP: 24 AUG 83 NARRAGANSETT, RI	EN-106. CAPE HATTERAS--MODERN	12
ARR: 05 SEP 83 NARRAGANSETT, RI	SEDIMENTARY DYNAMICS	
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	R. WATTS	NSF
DEP: 08 SEP 83 NARRAGANSETT, RI	EN-107. CAPE HATTERAS--GULF STREAM	10
ARR: 18 SEP 83 NARRAGANSETT, RI	DYNAMICS	
AREA INDEX: NA6		
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OUT OF SERVICE		UNIV OF RHODE
DEP: 19 SEP 83 NARRAGANSETT, RI	MAINTENANCE (OVERHAUL)	19
ARR: 08 OCT 83 NARRAGANSETT, RI		
AREA INDEX: NA6		
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OCEANOGRAPHIC RESEARCH

UNIV OF RHODE

DEP: 09 OCT 83 NARRAGANSETT, RI EN-108. TRANSIT TO RODMAN, CANAL 20  
ARR: 17 OCT 83 RODMAN, CZ 8  
AREA INDEX: NA6 NA9 NP13

OCEANOGRAPHIC RESEARCH.....E. BOYLE..... ONR

DEP: 19 OCT 83 RODMAN, CZ EN-109. PANAMA BASIN--CHEMICAL PROF  
ARR: 20 OCT 83 RODMAN, CZ TO DISCOVER COPPER SOURCE 1  
AREA INDEX: NP9 NP13

OCEANOGRAPHIC RESEARCH.....R. SMITH..... NSF

DEP: 22 OCT 83 RODMAN, CZ EN-110. PERU UPWELLING--VARIABILITY  
ARR: 11 NOV 83 CALLAO, PERU EASTERN EQUATORIAL BOUNDARY 20  
AREA INDEX: NA9 NP13 SP3A

OCEANOGRAPHIC RESEARCH.....R. BARBER..... NSF

DEP: 14 NOV 83 CALLAO, PERU EN-111. GALAPAGOS--MEIODIONAL  
ARR: 04 DEC 83 CALLAO, PERU SECTION AT 95W 20  
AREA INDEX: SP3A SP3

OCEANOGRAPHIC RESEARCH.....D. KESTER..... ONR

DEP: 07 DEC 83 CALLAO, PERU EN-112. PERU UPWELLING--CONTIN. MEASU  
ARR: 22 DEC 83 VALPARAISO, CH TRACE METALS IN ACTIVE FRONTS 15  
AREA INDEX: SP3A SP6A

OUT OF SERVICE..... UNIV OF RHODE

DEP: 23 DEC 83 VALPARAISO, CH MAINTENANCE  
ARR: 31 DEC 83 VALPARAISO, CH 8  
AREA INDEX: SP6A

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MELVILLE

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS  
POC OFFICE: MARINE SUPERINTENDENT  
POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY  
POC ADDRESS: MARINE FACILITIES DIV., P-005  
POC CITY/STATE: LA JOLLA CA 92093  
FTS PREFIX: 619  
COMMERCIAL AREA CODE: 619  
PHONE: 294-3675

ADMINISTRATIVE DETAILS

DESIGNATOR: AGOR 14  
CLASS: MELVILLE/AGOR 14  
CALL SIGN (INTERNATIONAL): WECB  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: US COAST GUARD-ABS  
FLAG REGISTRY: USA  
HOME PORT: SAN DIEGO CA  
TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO  
OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 25 AUG 86 CON  
NO0014-69-C-0242  
OPERATING COST/DAY: 11.0/83 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 29  
NUMBER OFFICERS: 9  
NUMBER IN CREW: 14  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 41 DAY(S)  
LIMITING FACTOR: FUEL  
BUILDER: DEFOE SHIPBUILDING COMPANY  
WHERE BUILT: BAY CITY MI USA  
INITIAL COST: 6.0/69 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: 12 JUL 67  
LAUNCH DATE: 10 JUL 68  
DELIVERY DATE: 01 SEP 69  
COMMISSION DATE: 27 AUG 67  
CONVERSION DATE: -  
LAST OVERHAUL: 01 JUL 82  
MAINTENANCE CYCLE: 2.0 YEARS  
END OF LIFE: 1999  
UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

LENGTH: 244.8 FEET  
MAX BEAM: 46.0 FEET  
HEIGHT: 112.0 FEET  
GROSS TONNAGE: 1806  
DISPLACEMENT: 2075 TONS  
DRAUGHT: 16.4 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 9000 NAUTICAL MILES  
MAX SPEED: 11.5 KNOTS  
MIN SPEED: 0.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	CYCLOIDAL PROP
AUXILIARY PROPULSION:	CYCLOIDAL PROP FWD
NUMBER OF SHAFTS:	2
FUEL TYPE:	1 DIESEL/2 DIESEL
BOW THRUSTER:	NO, CYCLOIDAL PROP FWD
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	Y
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELLO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	40000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	36000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DEEP SEA
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	45000 FEET
WIRE DIAMETER:	0.563 INCHES
SECONDARY WIRE LEN:	45000 FEET
SECONDARY WIRE DIAM:	0.680 INCHES
02. MAJOR TYPE/USE:	TOWING
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	2.000 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.225 INCHES
04. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.225 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	IBM 1800
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y

SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO, GIFFT

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MELVILLE

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH		JORDAN, ORCUTT, MENARD	SCRIPPS
DEP: 09 JAN 83 HONOLULU, HI	BENTHIC LEG 4. BOTTOM SEISMOGRAPH W		
ARR: 16 FEB 83 HONOLULU, HI	WITH D/V GLOMAR CHALLENGER		38
AREA INDEX: NP12			
OCEANOGRAPHIC RESEARCH		ERIKSEN, RICHMAN	SCRIPPS
DEP: 19 FEB 83 HONOLULU, HI	BENTHIC LEG 5. RECOVER CURRENT METER		
ARR: 12 MAR 83 PAPEETE	MOORINGS		21
AREA INDEX: NP12 SP2			
OCEANOGRAPHIC RESEARCH		JORDAN, ORCUTT, MENARD	SCRIPPS
DEP: 17 MAR 83 PAPEETE	BENTHIC LEG 6. RECOVER SEISMOGRAPH M		
ARR: 05 APR 83 PAPEETE	INGS, SEAMOUNT SURVEYS		19
AREA INDEX: SP2			
OCEANOGRAPHIC RESEARCH		CRAIG, OSTLUND	SCRIPPS
DEP: 08 APR 83 PAPEETE	BENTHIC LEG 7. ARGON-39 SAMPLES		
ARR: 11 MAY 83 SAN DIEGO, CA	MEHETIA SEAMOUNT		33
AREA INDEX: SP2 NP12 NP9			
OCEANOGRAPHIC RESEARCH		SPIESS	SCRIPPS
DEP: 31 MAY 83 SAN DIEGO, CA	DEEPTOW		
ARR: 24 JUN 83 SAN DIEGO, CA			24
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH		WEISS	SCRIPPS
DEP: 10 AUG 83 SAN DIEGO, CA	MANOP-LANDER DEPLOYMENT		
ARR: 12 AUG 83 SAN DIEGO, CA	SAN CLEMENTE BASIN		2
AREA INDEX: NP9			
DEP: 17 AUG 83 SAN DIEGO, CA	MANOP-LANDER DEPLOYMENT		
ARR: 19 AUG 83 SAN DIEGO, CA	SAN CLEMENTE BASIN		2
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH		MACDONALD	SCRIPPS
DEP: 07 SEP 83 SAN DIEGO, CA	LEG 1. SEISMICITY & MAGNETICS DEEP T		
ARR: 23 OCT 83 VALPARAISO, CH	EASTER ISLAND 14-15 OCT.		46
AREA INDEX: NP9 NP13 SP3 SP3A SP6A			
OCEANOGRAPHIC RESEARCH			SCRIPPS
DEP: 28 OCT 83 VALPARAISO, CH	LEG 2. ICE EDGE PROGRAM		
ARR: 03 NOV 83 PUNTA ARENAS, CH			6
AREA INDEX: SP6A SP9A AN9			
DEP: 04 NOV 83 PUNTA ARENAS, CH	LEG 2. ICE EDGE PROGRAM		
ARR: 05 DEC 83 PUNTA ARENAS, CH			31
AREA INDEX: SP9A AN9			
DEP: 09 DEC 83 PUNTA ARENAS, CH	LEG 3. SCOTIA ARC PROGRAM		
ARR: 09 JAN 84 PUNTA ARENAS, CH			31
AREA INDEX: SP9A AN9 SA5A			

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NEW HORIZON

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS  
 POC OFFICE: MARINE SUPERINTENDENT  
 POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY  
 POC ADDRESS: MARINE FACILITIES DIV., P-005  
 POC CITY/STATE: LA JOLLA CA 92093  
 FTS PREFIX: 619  
 COMMERCIAL AREA CODE: 619  
 PHONE: 294-3675

ADMINISTRATIVE DETAILS

SHORT NAME:	HORIZON	
DESIGNATOR:	RV	
CLASS:	COLUMBUS ISELIN	
CALL SIGN (INTERNATIONAL):	-	
FLEET:	UNOLS	
SHIP TYPE:	OCEANOGRAPHIC RESEARCH-GENERAL	
SHIP OWNER:	UNIV. OF CALIFORNIA	
CERTIFICATION AUTHORITY:	AMERICAN BUREAU OF SHIPPING	
FLAG REGISTRY:	USA	
HOME PORT:	SAN DIEGO CA	
TECHNICAL SPONSOR:	UNIV. OF CALIFORNIA SAN DIEGO	
OPERATIONS CONTROL:	UNIV. OF CALIFORNIA SAN DIEGO	
CONTRACTUAL INFORMATION:	NONE	
OPERATING COST/DAY:	7.0/83	THOUSAND \$'S
SCIENTIFIC COMPLEMENT:	15	
NUMBER OFFICERS:	4	
NUMBER IN CREW:	8	
MAX SEA STATE:	5	BEAUFORT SCALE
ENDURANCE:	24	DAY(S)
LIMITING FACTOR:	FUEL	
BUILDER:	ATLANTIC MARINE INC	
WHERE BUILT:	FORT GEORGE ISLAND, FL USA	
INITIAL COST:	4.2/78	MILLION \$'S IN YEAR
DUE DATE:	-	
KEEL DATE:	07 OCT 77	
LAUNCH DATE:	04 MAR 78	
DELIVERY DATE:	24 OCT 78	
COMMISSION DATE:	25 JAN 79	
CONVERSION DATE:	-	
LAST OVERHAUL:	01 JAN 83	
MAINTENANCE CYCLE:	3.0 YEARS	
END OF LIFE:	2005	
UPDATE OF INFORMATION:	24 NOV 82	

SHIP DIMENSIONS

LENGTH:	170.0 FEET
MAX BEAM:	36.0 FEET
HEIGHT:	72.0 FEET
GROSS TONNAGE:	267
DISPLACEMENT:	598 TONS
DRAUGHT:	12.0 FEET
CRUISE SPEED:	10.0 KNOTS
RANGE:	6000 NAUTICAL MILES
MAX SPEED:	12.5 KNOTS
MIN SPEED:	0.5 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	SCHOTTEL TRAINABLE PROP
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	8X8X14
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	32000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.250 INCHES
04. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.322 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.225 INCHES

## ELECTRONIC EQUIPMENT

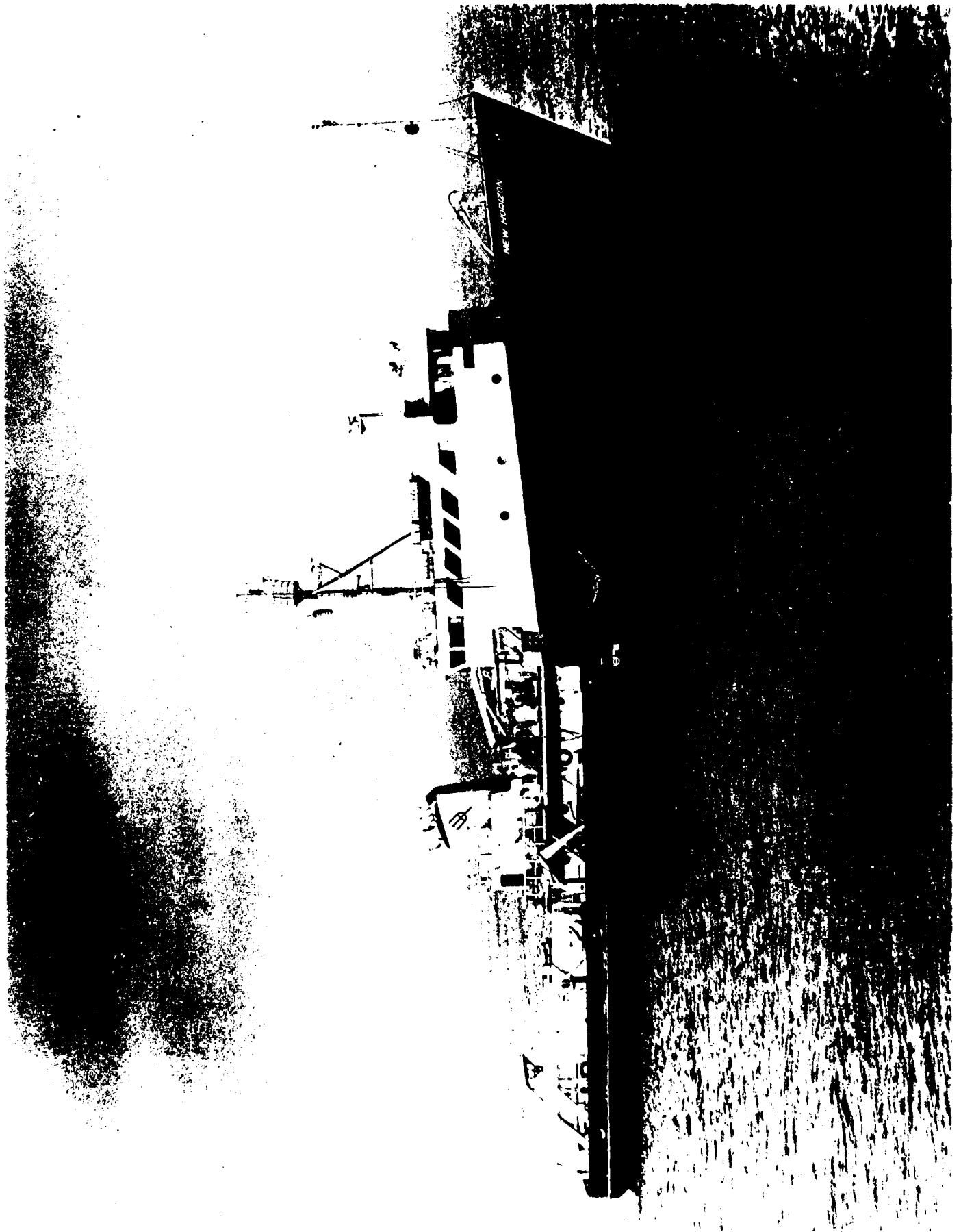
COMPUTERS:	HP FOR SAT NAVIGATION
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y

STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	KONEL
SOUNDING SYSTEM (DEEP):	EDO

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NEW HORIZON

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 24 DEC 82 SAN DIEGO, CA	UPKEEP	67
ARR: 28 FEB 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OPEN	SCRIPPS	
DEP: 01 MAR 83 SAN DIEGO, CA	OPEN	12
ARR: 13 MAR 83 SAN DIEGO, CA		
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	DUGDALE	SCRIPPS
DEP: 14 MAR 83 SAN DIEGO, CA	FIELD EFFORT OF OPUS PROJECT IN ARE	5
ARR: 19 MAR 83 SAN DIEGO, CA	PT. CONCEPTION, CA	
AREA INDEX: NP9		
DEP: 01 APR 83 SAN DIEGO, CA	FIELD EFFORT OF OPUS PROJECT IN ARE	41
ARR: 12 MAY 83 SAN DIEGO, CA	PT. CONCEPTION, CA	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	WILLIAMS, BEERS, ET AL	SCRIPPS
DEP: 16 MAY 83 SAN DIEGO, CA	DEPLOYMENT OF CURRENT METERS	10
ARR: 26 MAY 83 SAN DIEGO, CA	MICROBIOLOGY	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	K SMITH	SCRIPPS
DEP: 31 MAY 83 SAN DIEGO, CA	BENTHIC BOUNDARY LAYER STUDIES	20
ARR: 20 JUN 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	CHILDRESS	SCRIPPS
DEP: 23 JUN 83 SAN DIEGO, CA	PHYSIOLOGIC STUDY ON ANIMALS CAUGHT	17
ARR: 10 JUL 83 SAN DIEGO, CA	EPIBENTHIC BEAM & MIDWAT. TRAWL	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	LONSDALE	SCRIPPS
DEP: 15 JUL 83 SAN DIEGO, CA	DEEP TOW STUDIES OF SEAMOUNTS	13
ARR: 28 JUL 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	ROBISON	SCRIPPS
DEP: 02 AUG 83 SAN DIEGO, CA	WASP PROGRAM. DEPLOY ONE MAN SUBMER	34
ARR: 05 SEP 83 SAN DIEGO, CA	FOR MIDWATER BIOLOGICAL STUDY	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	COX	SCRIPPS
DEP: 12 SEP 83 SAN DIEGO, CA	ELECTROMAGNETIC SOUNDING OF OCEAN	20
ARR: 02 OCT 83 HONOLULU, HI		
AREA INDEX: NP9 NP12		
OCEANOGRAPHIC RESEARCH	K SMITH, LANGE	SCRIPPS
DEP: 05 OCT 83 HONOLULU, HI	BENTHIC BOUNDARY LAYER, TOW OF VIDE	

ARR: 09 NOV 83 SAN DIEGO, CA	CTA SYSTEM	35
AREA INDEX: NP12 NP9		
OCEANOGRAPHIC RESEARCH .....	P WILLIAMS	SCRIPPS
DEP: 13 NOV 83 SAN DIEGO, CA	CHEMICAL, MICROBIOLOGICAL & PHYSICA	
ARR: 23 NOV 83 SAN DIEGO, CA	STUDIES OF SEA-SURFACE FILMS	10
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH .....		SCRIPPS
DEP: 29 NOV 83 SAN DIEGO, CA	CALCOFI	
ARR: 22 DEC 83 SAN DIEGO, CA		23
AREA INDEX: NP9		
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ELLEN B SCRIPPS

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS  
POC OFFICE: MARINE SUPERINTENDENT  
POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY  
POC ADDRESS: MARINE FACILITIES DIV., P-005  
POC CITY/STATE: LA JOLLA CA 92093  
FTS PREFIX: 619  
COMMERCIAL AREA CODE: 619  
PHONE: 294-3675

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: SCRIPPS / EB SCRIPPS  
DESIGNATOR: RV  
CLASS: OFFSHORE OIL RIG SUPPLY  
CALL SIGN (INTERNATIONAL): WEMN  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: UNIV. OF CALIFORNIA  
CERTIFICATION AUTHORITY: -  
FLAG REGISTRY: USA  
HOME PORT: SAN DIEGO CA  
TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO  
OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 2.5/83 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 8  
NUMBER OFFICERS: 1  
NUMBER IN CREW: 4  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 14 DAY(S)  
LIMITING FACTOR: HABITABILITY  
BUILDER: HALTER MARINE SERVICES INC  
WHERE BUILT: NEW ORLEANS LA USA  
INITIAL COST: .25/65 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: '64  
LAUNCH DATE: '65  
DELIVERY DATE: '65  
COMMISSION DATE: '65  
CONVERSION DATE: -  
LAST OVERHAUL: 01 DEC 82  
MAINTENANCE CYCLE: 5.0 YEARS  
END OF LIFE: 1992  
UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

LENGTH: 95.0 FEET  
MAX BEAM: 24.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 115  
DISPLACEMENT: 234 TONS  
DRAUGHT: 6.0 FEET  
CRUISE SPEED: 9.0 KNOTS  
RANGE: 6480 NAUTICAL MILES  
MAX SPEED: 9.5 KNOTS  
MIN SPEED: 2.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	20000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	14000 FEET
WIRE DIAMETER:	0.375 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	16000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	10000 FEET
WIRE DIAMETER:	0.320 INCHES
04. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.260 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	GIFT



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ELLEN B SCRIPPS

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	C SMITH	SCRIPPS	
DEP: 17 JAN 83 SAN DIEGO, CA	DEPLOYMENT OF DEEP-SEA TIME-LAPSE		
ARR: 18 JAN 83 SAN DIEGO, CA	CAMERA SYSTEM		1
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS	
DEP: 25 JAN 83 SAN DIEGO, CA	MICROBIOLOGY, PARTICULATE FLUX		
ARR: 28 JAN 83 SAN DIEGO, CA			3
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	C SMITH	SCRIPPS	
DEP: 22 FEB 83 SAN DIEGO, CA	RECOVERY OF DEEP-SEA TIME-LAPSE		
ARR: 23 FEB 83 SAN DIEGO, CA	CAMERA SYSTEM		1
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	DFXTER	SCRIPPS	
DEP: 25 FEB 83 SAN DIEGO, CA	STUDENT CRUISE		
ARR: 25 FEB 83 SAN DIEGO, CA			0
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	STEVENS	SCRIPPS	
DEP: 20 MAR 83 SAN DIEGO, CA	WORK WITH D/V GLOMAR CHALLENGER AT		
ARR: 30 APR 83 PUNTARENAS, CR	COST RICA RIFT		41
AREA INDEX: NP9 NP13			
OCEANOGRAPHIC RESEARCH	COX	SCRIPPS	
DEP: 09 MAY 83 PUNTARENAS, CR	TEST CONTROLLED EM SOURCE EQUIPMENT		
ARR: 14 MAY 83 SAN DIEGO, CA			5
AREA INDEX: NP13 NP9			
OCEANOGRAPHIC RESEARCH	BEERS	SCRIPPS	
DEP: 16 MAY 83 SAN DIEGO, CA	MICRO & MESO-SCALE STUDIES OF PLANK		
ARR: 22 MAY 83 SAN DIEGO, CA	CILIATE DISTRIBUTION		6
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	K SMITH	SCRIPPS	
DEP: 24 MAY 83 SAN DIEGO, CA	BENTHIC BOUNDARY LAYER ENERGETICS		
ARR: 28 MAY 83 SAN DIEGO, CA			4
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS	
DEP: 02 JUN 83 SAN DIEGO, CA	MICROBIOLOGY, PARTICULATE FLUX		
ARR: 02 JUN 83 SAN DIEGO, CA			0
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	LEBOEUF	SCRIPPS	
DEP: 09 JUN 83 SAN DIEGO, CA	MARINE MAMMAL TAGS & STUDIES OFF BA		
ARR: 09 JUL 83 LA PAZ, MX	CALIFORNIA ISLANDS		30
AREA INDEX: NP9 NP13			
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS	

DEP: 14 JUL 83 LA PAZ, MX	MICROBIOLOGY, PARTICULATE FLUX	1
ARR: 15 JUL 83 SAN DIEGO, CA		
AREA INDEX: NP13 NP9		
OCEANOGRAPHIC RESEARCH.....	DORMAN.....	SCRIPPS
DEP: 25 JUL 83 SAN DIEGO, CA	OBS	4
ARR: 29 JUL 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH.....	WILLIAMS.....	SCRIPPS
DEP: 04 AUG 83 SAN DIEGO, CA	PICKUP DEPLOYMENT	1
ARR: 05 AUG 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH.....	AZAM.....	SCRIPPS
DEP: 09 AUG 83 SAN DIEGO, CA	MICROBIOLOGY, PARTICULATE FLUX	1
ARR: 10 AUG 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH.....	DORMAN.....	SCRIPPS
DEP: 29 AUG 83 SAN DIEGO, CA	OBS	4
ARR: 02 SEP 83 SAN DIEGO, CA		
AREA INDEX: NP9		
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THOMAS WASHINGTON

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS  
POC OFFICE: MARINE SUPERINTENDENT  
POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY  
POC ADDRESS: MARINE FACILITIES DIV., P-005  
POC CITY/STATE: LA JOLLA CA 92093  
FTS PREFIX: 619  
COMMERCIAL AREA CODE: 619  
PHONE: 294-3675

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: WASHINGTON  
DESIGNATOR: AGOR 10  
CLASS: ROBERT D CONRAD/AGOR 3  
CALL SIGN (INTERNATIONAL): KGWU  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: US COAST GUARD-ABS  
FLAG REGISTRY: USA  
HOME PORT: SAN DIEGO CA  
TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO  
OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 28 SEP 85 CON  
N00014-77-L-0010  
OPERATING COST/DAY: 12.0/83 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 17  
NUMBER OFFICERS: 6  
NUMBER IN CREW: 4  
MAX SEA STATE: 6 BEAUFORT SCALE  
ENDURANCE: 42 DAY(S)  
LIMITING FACTOR: FUEL  
BUILDER: MARINETTE MARINE CORPORATION  
WHERE BUILT: MARINETTE WI USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: 12 SEP 63  
LAUNCH DATE: 01 AUG 64  
DELIVERY DATE: 17 SEP 65  
COMMISSION DATE: 65  
CONVERSION DATE: -  
LAST OVERHAUL: 15 NOV 82  
MAINTENANCE CYCLE: 2.0 YEARS  
END OF LIFE: 1995  
UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

LENGTH: 209.0 FEET  
MAX BEAM: 39.5 FEET  
HEIGHT: 78.0 FEET  
GROSS TONNAGE: 1151  
DISPLACEMENT: 1362 TONS  
DRAUGHT: 14.5 FEET  
CRUISE SPEED: 11.5 KNOTS  
RANGE: 8700 NAUTICAL MILES  
MAX SPEED: 13.2 KNOTS  
MIN SPEED: 1.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL ELECTRIC
AUXILIARY PROPULSION:	DIESEL
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	40000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	12000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	OCEANOGRAPHIC
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	45000 FEET
WIRE DIAMETER:	0.563 INCHES
SECONDARY WIRE LEN:	45000 FEET
SECONDARY WIRE DIAM:	0.680 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.250 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.255 INCHES
03. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.225 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	IBM 1800
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	Y
NARROW BEAM:	Y

AD-A125 943

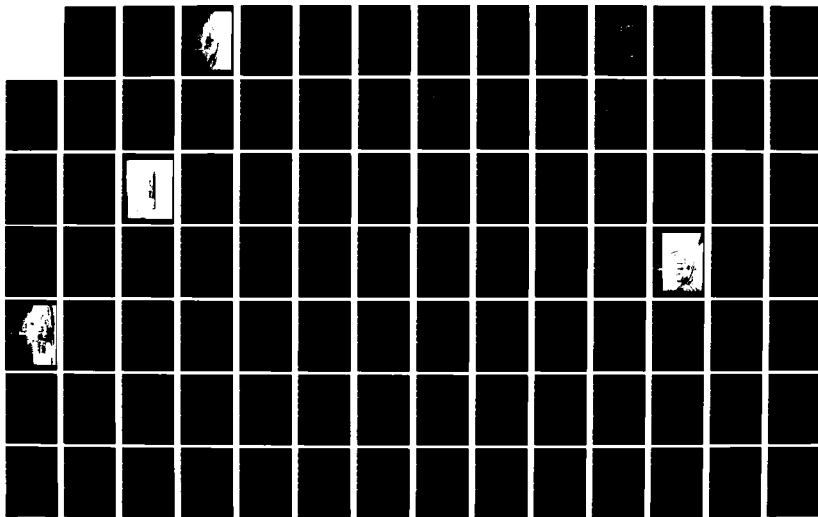
NATIONAL OCEANOGRAPHIC FLEET OPERATING SCHEDULES FOR  
1983(U) NAVAL OCEANOGRAPHIC OFFICE NSTL STATION MS  
JAN 83 N00-RP-34(83)

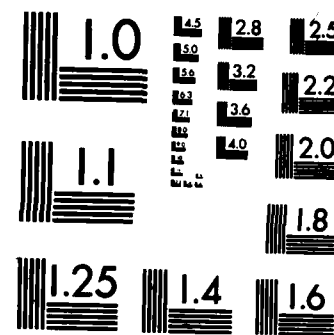
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	SEABEAM, EDO

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THOMAS WASHINGTON

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH.....FOX, RYAN, FORNARI SCRIPPS  
 DEP: 04 JAN 83 SAN DIEGO, CA PASCUA LEG 1. USE SEABEAM & SEAMARC  
 ARR: 01 FEB 83 MANZANILLO, MX 28  
 AREA INDEX: NP9 NP13  
 OCEANOGRAPHIC RESEARCH.....FOX, REA SCRIPPS  
 DEP: 05 FEB 83 MANZANILLO, MX PASCUA LEG 2. SEABEAM TO DEFINE TEC  
 ARR: 27 FEB 83 EASTER ISLAND FABRIC AT GARRETT TRANSFORM 22  
 AREA INDEX: NP13 SP3  
 OCEANOGRAPHIC RESEARCH.....CRAIG SCRIPPS  
 DEP: 03 MAR 83 EASTER ISLAND PASCUA LEG 3. HYDROTHERMAL VENT, SEAB  
 ARR: 29 MAR 83 EASTER ISLAND PLUME STUDIES, MEHETIA SEAMOUNT 26  
 AREA INDEX: SP3  
 OCEANOGRAPHIC RESEARCH.....HEY SCRIPPS  
 DEP: 02 APR 83 EASTER ISLAND PASCUA LEG 4. SEABEAM & MAGNETIC SUR  
 ARR: 30 APR 83 CALLAO, PERU 28  
 AREA INDEX: SP3 SP3A  
 OCEANOGRAPHIC RESEARCH..... SCRIPPS  
 DEP: 04 MAY 83 CALLAO, PERU PASCUA LEG 6. TRANSIT 15  
 ARR: 19 MAY 83 SAN DIEGO, CA  
 AREA INDEX: SP3A NP13 NP9  
 OCEANOGRAPHIC RESEARCH.....LONSDALE SCRIPPS  
 DEP: 27 JUN 83 SAN DIEGO, CA SEAMOUNT SURVEYS 9  
 ARR: 06 JUL 83 SAN DIEGO, CA  
 AREA INDEX: NP9  
 OUT OF SERVICE..... SCRIPPS  
 DEP: 07 JUL 83 SAN DIEGO, CA YARD FOR MIDLIFE REFIT 177  
 ARR: 31 DEC 83 SAN DIEGO, CA  
 AREA INDEX: NP9  
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BLUE FIN

POINT OF CONTACT INFORMATION

POC: MR LEE H KNIGHT  
POC OFFICE: -  
POC ORGANIZATION: SKIDAWAY INSTITUTE OF OCEANOGRAPHY  
POC ADDRESS: PO BOX 13687  
POC CITY/STATE: SAVANNAH GA 31406  
FTS PREFIX: 912  
COMMERCIAL AREA CODE: 912  
PHONE: 356-2486

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: FIN  
DESIGNATOR: RV  
CLASS: TRAWLER YACHT  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: -  
SHIP OWNER: UNIVERSITY SYSTEM OF GEORGIA  
CERTIFICATION AUTHORITY: US COAST GUARD  
FLAG REGISTRY: USA  
HOME PORT: SAVANNAH GA  
TECHNICAL SPONSOR: U SKIDAWAY INSTITUTE OF OCEANOGRAPHY  
OPERATIONS CONTROL: SKIDAWAY INST. OF OCEANOGRAPHY  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 0.7780 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 8  
NUMBER OFFICERS: 2  
NUMBER IN CREW: 3  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 12 DAY(S)  
LIMITING FACTOR: WATER-ACCOMMODATIONS  
BUILDER: XNIDIES  
WHERE BUILT: ST.AUGUSTINE FL USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: -72  
DELIVERY DATE: -72  
COMMISSION DATE: -  
CONVERSION DATE: -75  
LAST OVERHAUL: -81  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: 1995  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 72.0 FEET  
MAX BEAM: 20.0 FEET  
HEIGHT: 60.0 FEET  
GROSS TONNAGE: -  
DISPLACEMENT: 86 TONS  
DRAUGHT: 8.5 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 3000 NAUTICAL MILES  
MAX SPEED: 10.0 KNOTS  
MIN SPEED: 0.5 KNOTS



# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	Y
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	OTHER
SLIP-RINGS:	6
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2700 FEET
WIRE DIAMETER:	0.219 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	600 FEET
WIRE DIAMETER:	0.500 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	5000 FEET
WIRE DIAMETER:	0.250 INCHES
04. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	600 FEET
WIRE DIAMETER:	0.562 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	SIMRAD

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BLUE FIN

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH\*\*\*\*\*

SKIDAWAY INSTI

DEP: 01 JAN 83 SAVANNAH GA  
ARR: 31 DEC 83 SAVANNAH, GA  
AREA INDEX: NA6 NA9

FREQUENT CRUISES IN COASTAL NC, SC, GA  
CALL POC FOR DETAILS 385

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VELERO IV

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POINT OF CONTACT INFORMATION

POC: MR DON NEWMAN  
 POC OFFICE: MANAGER MARINE SUPPORT FACILITY  
 POC ORGANIZATION: INST. FOR MARINE AND COASTAL STUDIES  
 POC ADDRESS: UNIV. OF SOUTHERN CALIFORNIA  
 POC CITY/STATE: LOS ANGELES CA 90089  
 FTS PREFIX: 213  
 COMMERCIAL AREA CODE: 213  
 PHONE: 743-6977

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ADMINISTRATIVE DETAILS

COMMON SHIP NAME:	VELERO	
DESIGNATOR:	RV	
CLASS:	TUNA CLIPPER	
CALL SIGN (INTERNATIONAL):	-	
FLEET:	UNOLS	
SHIP TYPE:	OCEAN RESEARCH-GENERAL	
SHIP OWNER:	UNIV. OF SOUTHERN CALIFORNIA	
CERTIFICATION AUTHORITY:	US COAST GUARD	
FLAG REGISTRY:	USA	
HOME PORT:	WILMINGTON CA	
TECHNICAL SPONSOR:	U UNIV. OF SOUTHERN CALIFORNIA	
OPERATIONS CONTROL:	UNIV. OF SOUTHERN CALIFORNIA	
CONTRACTUAL INFORMATION:	NONE	
OPERATING COST/DAY:	4.8781	THOUSAND \$'S
SCIENTIFIC COMPLEMENT:	12	
NUMBER OFFICERS:	5	
NUMBER IN CREW:	6	
MAX SEA STATE:	4 BEAUFORT SCALE	
ENDURANCE:	18 DAY(S)	
LIMITING FACTOR:	WATER STORAGE	
BUILDER:	NATIONAL IRON WORKS	
WHERE BUILT:	SAN DIEGO CA USA	
INITIAL COST:	1.0/48	MILLION \$'S IN YEAR
DUE DATE:	-	
KEEL DATE:	-	
LAUNCH DATE:	-48	
DELIVERY DATE:	-48	
COMMISSION DATE:	-48	
CONVERSION DATE:	-72	
LAST OVERHAUL:	15 JAN 80	
MAINTENANCE CYCLE:	1.5 YEARS	
END OF LIFE:	1988	
UPDATE OF INFORMATION:	16 DEC 82	

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SHIP DIMENSIONS

LENGTH:	110.0 FEET
MAX BEAM:	27.0 FEET
HEIGHT:	55.0 FEET
GROSS TONNAGE:	292
DISPLACEMENT:	650 TONS
DRAUGHT:	13.2 FEET
CRUISE SPEED:	9.5 KNOTS
RANGE:	11500 NAUTICAL MILES
MAX SPEED:	10.5 KNOTS
MIN SPEED:	2.3 KNOTS

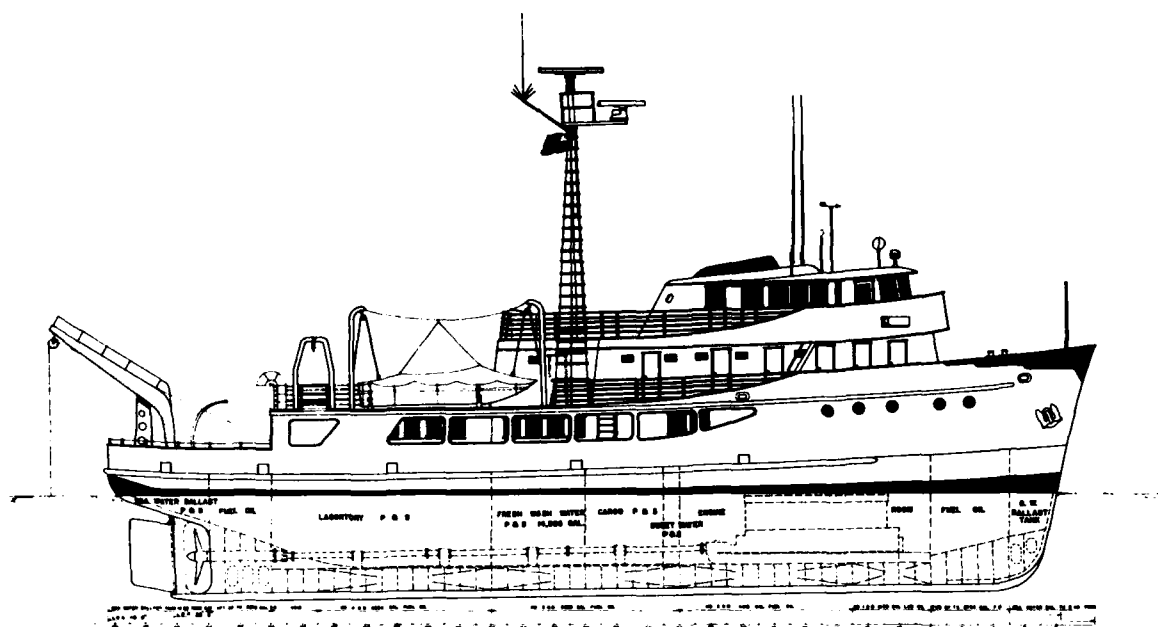
# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	1500 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	9X7X7
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	
1. 18 FOOT SURVEY LAUNCH	
2. 0 FOOT SURVEY LAUNCH	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	POUNDS
NUMBER OF CRANES:	0
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	18000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.500 INCHES

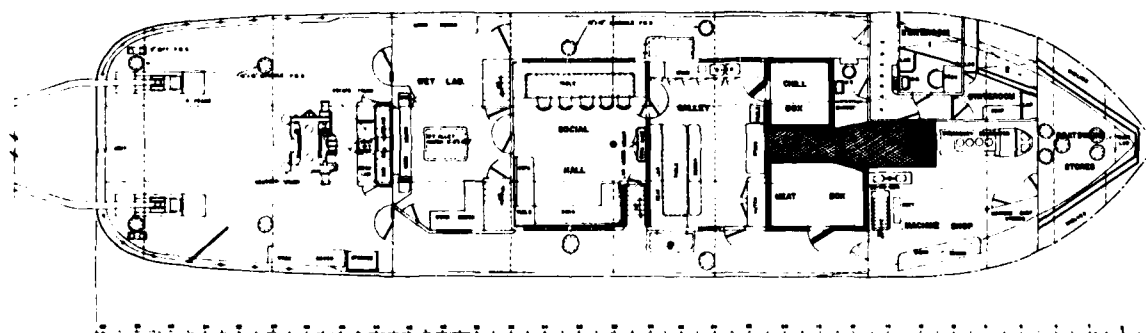
## ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONICS 4051
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	KONEL
SOUNDING SYSTEM (DEEP):	EDO

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PROFILE



MAIN DECK

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VELERO IV

LAST CHANGED 02 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

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OPEN .....
DEP: 03 JAN 83 WILMINGTON, CA      OPEN
ARR: 11 MAR 83 WILMINGTON, CA
AREA INDEX: OPEN                                62
OCE 8110154R ..... DR CHILDRESS USC
DEP: 14 MAR 83 WILMINGTON, CA      OCE 8110154R SAN CLEMENTE BASIN 5
ARR: 18 MAR 83 WILMINGTON, CA
AREA INDEX: NP9
OCE 8024259 ..... DR CHILDRESS USC
DEP: 21 MAR 83 WILMINGTON, CA      OCE 8024259
ARR: 25 MAR 83 WILMINGTON, CA
AREA INDEX: NP9                                5
OCE 8208181 ..... DR HENYEV USC
DEP: 28 MAR 83 WILMINGTON, CA      OCE 8208181
ARR: 30 MAR 83 WILMINGTON, CA
AREA INDEX: NP9                                3
OPEN .....
DEP: 31 MAR 83 WILMINGTON, CA      OPEN
ARR: 31 MAR 83 WILMINGTON, CA
AREA INDEX: OPEN                                1
OPUS ..... DR DUGDALE USC
DEP: 01 APR 83 WILMINGTON, CA      OPUS (OCE T.B.D.)
ARR: 13 MAY 83 WILMINGTON, CA      IN PORT ON WEEKENDS 43
AREA INDEX: NP9
OCE 8208187 ..... DR PREZELIN USC
DEP: 16 MAY 83 WILMINGTON, CA      OCE 8208187 SANTA BARBARA BASIN 12
ARR: 27 MAY 83 WILMINGTON, CA
AREA INDEX: NP9
OCE 8209249 ..... DR HAMMOND USC
DEP: 30 MAY 83 WILMINGTON, CA      OCE 8209249 SO. CAL. BORDERLAND 12
ARR: 10 JUN 83 WILMINGTON, CA
AREA INDEX: NP9
OCE 7924975R ..... DR PIEPER USC
DEP: 13 JUN 83 WILMINGTON, CA      OCE 7924975R SO. CAL. BASINS 5
ARR: 17 JUN 83 WILMINGTON, CA
AREA INDEX: NP9
OPEN .....
DEP: 20 JUN 83 WILMINGTON, CA      OPEN
ARR: 15 JUL 83 WILMINGTON, CA
AREA INDEX: OPEN                                26
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OCE 8208187	DR PREZELIN	USC	
DEP: 18 JUL 83 WILMINGTON, CA	OCE 8208187 SANTA BARBARA BASIN		10
ARR: 27 JUL 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8208181	DR HENYEY	USC	
DEP: 28 JUL 83 WILMINGTON, CA	OCE 8208181		2
ARR: 29 JUL 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8110154	DR CHILDRESS	USC	
DEP: 01 AUG 83 WILMINGTON, CA	OCE 8110154 GUADALUPE ISL.		12
ARR: 12 AUG 83 WILMINGTON, CA			
AREA INDEX: NP9			
OPEN			
DEP: 15 AUG 83 WILMINGTON, CA	OPEN		12
ARR: 26 AUG 83 WILMINGTON, CA			
AREA INDEX: OPEN			
OCE 8024259R	DR CHILDRESS	USC	
DEP: 29 AUG 83 WILMINGTON, CA	OCE 8024259R		4
ARR: 02 SEP 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8208187	DR PREZELIN	USC	
DEP: 05 SEP 83 WILMINGTON, CA	OCE 8208187 SANTA BARBARA BASIN		12
ARR: 16 SEP 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8208181	DR HENYEY	USC	
DEP: 19 SEP 83 WILMINGTON, CA	OCE 8208181		2
ARR: 20 SEP 83 WILMINGTON, CA			
AREA INDEX: NP9			
OPEN			
DEP: 21 SEP 83 WILMINGTON, CA	OPEN		45
ARR: 04 NOV 83 WILMINGTON, CA			
AREA INDEX: OPEN			
OUT OF SERVICE		USC	
DEP: 07 NOV 83 WILMINGTON, CA	SHIP MAINTENANCE		55
ARR: 31 DEC 83 WILMINGTON, CA			
AREA INDEX: NP9			
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GYRE

POINT OF CONTACT INFORMATION

POC: CAPT T K TREADWELL  
POC OFFICE: MARINE OPERATIONS OFFICER  
POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY  
POC ADDRESS: TEXAS A & M UNIVERSITY  
POC CITY/STATE: COLLEGE STATION TX 77843  
FTS PREFIX: 713  
COMMERCIAL AREA CODE: 713  
PHONE: 845-7211

ADMINISTRATIVE DETAILS

DESIGNATOR: AGOR 21  
CLASS: AGOR 21 CLASS  
CALL SIGN (INTERNATIONAL): KJCL  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH - GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING  
FLAG REGISTRY: USA  
HOME PORT: GALVESTON TX  
TECHNICAL SPONSOR: U TEXAS A & M UNIVERSITY  
OPERATIONS CONTROL: U TEXAS A & M UNIVERSITY  
CONTRACTUAL INFORMATION: AVAILABLE FOR REIMBURSABLE LEASE. CALL POC  
OPERATING COST/DAY: 7,5782 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 22  
NUMBER OFFICERS: 5  
NUMBER IN CREW: 5  
MAX SEA STATE: 8 BEAUFORT SCALE  
ENDURANCE: 60 DAY(S)  
LIMITING FACTOR: FUEL  
BUILDER: HALTER MARINE SERVICES INC  
WHERE BUILT: NEW ORLEANS LA USA  
INITIAL COST: 3.1/73 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: 73  
LAUNCH DATE: 25 MAY 73  
DELIVERY DATE: 14 NOV 73  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: 00 JAN 78  
MAINTENANCE CYCLE: 2.0 YEARS  
END OF LIFE: 2003  
UPDATE OF INFORMATION: 20 OCT 82

SHIP DIMENSIONS

LENGTH: 174.0 FEET  
MAX BEAM: 36.0 FEET  
HEIGHT: 42.0 FEET  
GROSS TONNAGE: 298  
DISPLACEMENT: 1437 TONS  
DRAUGHT: 13.1 FEET  
CRUISE SPEED: 9.5 KNOTS  
RANGE: 8000 NAUTICAL MILES  
MAX SPEED: 11.8 KNOTS  
MIN SPEED: 0.1 KNOTS



# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	DFM
BOW THRUSTER:	ELECTRIC
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	10000 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	8X8X16
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	
1. 15 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	3
CRANES OR BOOMS	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
02. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2100
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	RAYTHEON

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GYRE

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE .....		TAMU	
DEP: 16 DEC 82 GALVESTON, TX	MAINTENANCE & UPKEEP		
ARR: 22 FEB 83 GALVESTON, TX			69
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH .....		MERRELL	TEXAS A & M
DEP: 23 FEB 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH		
ARR: 27 FEB 83 GALVESTON, TX	GULF OF MEXICO		4
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH .....		TREADWELL	TEXAS A & M
DEP: 02 MAR 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH		
ARR: 06 MAR 83 GALVESTON, TX	GULF OF MEXICO		4
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH .....		BROOKS/SCOTT	TEXAS A & M
DEP: 12 MAR 83 GALVESTON, TX	CHEMISTRY - GULF OF MEXICO		
ARR: 04 APR 83 GALVESTON, TX			23
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH .....			TEXAS A & M
DEP: 11 APR 83 GALVESTON, TX	TRANSIT		
ARR: 15 APR 83 MIAMI, FL			4
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH .....		MADIN	TEXAS A & M
DEP: 18 APR 83 MIAMI, FL	TRANSIT & RESEARCH		
ARR: 03 MAY 83 WOODS HOLE, MA			15
AREA INDEX: NA9 NA6			
OCEANOGRAPHIC RESEARCH .....		BROOKS	TEXAS A & M
DEP: 08 MAY 83 WOODS HOLE, MA	PHYSICAL OCEANOGRAPHY		
ARR: 22 MAY 83 WOODS HOLE, MA	NEW ENGLAND COAST		14
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		BUTMAN	TEXAS A & M
DEP: 27 MAY 83 WOODS HOLE, MA	NEW ENGLAND COAST		
ARR: 03 JUN 83 WOODS HOLE, MA			7
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		BISCAYNE/HOGG	TEXAS A & M
DEP: 07 JUN 83 WOODS HOLE, MA	CAPE COD - BERMUDA - CAPE COD		
ARR: 06 JUL 83 WOODS HOLE, MA			29
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		SPINDEL	TEXAS A & M
DEP: 11 JUL 83 WOODS HOLE, MA	NEW ENGLAND COAST		
ARR: 17 JUL 83 WOODS HOLE, MA			6
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		USGS	TEXAS A & M

DEP: 25 JUL 83 WOODS HOLE, MA	EAST COAST, CONTINENTAL SHELF	59
ARR: 22 SEP 83 WOODS HOLE, MA		
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	BRYDEN	TEXAS A & M
DEP: 27 SEP 83 WOODS HOLE, MA	CAPE COD - BERMUDA - CAPE COD	23
ARR: 20 OCT 83 WOODS HOLE, MA		
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		TEXAS A & M
DEP: 25 OCT 83 WOODS HOLE, MA	TRANSIT	9
ARR: 03 NOV 83 GALVESTON, TX		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	MERRELL	TEXAS A & M
DEP: 09 NOV 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH	4
ARR: 13 NOV 83 GALVESTON, TX	GULF OF MEXICO	
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	TREADWELL	TEXAS A & M
DEP: 16 NOV 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH	4
ARR: 20 NOV 83 GALVESTON, TX	GULF OF MEXICO	
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	SCOTT/BROOKS/FANNING	TEXAS A & M
DEP: 25 NOV 83 GALVESTON, TX	CHEMISTRY - GULF OF MEXICO	19
ARR: 14 DEC 83 GALVESTON, TX		
AREA INDEX: NA9		

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IDA GREEN

POINT OF CONTACT INFORMATION

POC: WILLIAM H MITCHELL  
POC OFFICE: MARINE OPERATIONS SUPERINTENDENT  
POC ORGANIZATION: INSTITUTE FOR GEOPHYSICS, UNIV OF TX  
POC ADDRESS: 700 THE STRAND  
POC CITY/STATE: GALVESTON TX 77550  
FTS PREFIX: 713  
COMMERCIAL AREA CODE: 713  
PHONE: 765-2276

ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
CLASS: OFFSHORE SUPPLY BOAT  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GEOLOGY  
SHIP OWNER: UNIV. OF TEXAS  
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING  
FLAG REGISTRY: USA  
HOME PORT: GALVESTON TX USA  
TECHNICAL SPONSOR: U. OF TX. INST. FOR GEOPHYSICS  
OPERATIONS CONTROL: U. OF TX. INST. FOR GEOPHYSICS  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 4,4781 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 12  
NUMBER OFFICERS: -  
NUMBER IN CREW: 7  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 21 DAY(S)  
LIMITING FACTOR: REFRIGERATED STORES  
BUILDER: GULFPORT SHIP BUILDING  
WHERE BUILT: GULFPORT TX USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: '65  
DELIVERY DATE: -  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: 1985  
UPDATE OF INFORMATION: 15 NOV 82

SHIP DIMENSIONS

LENGTH: 130.0 FEET  
MAX BEAM: 27.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 198  
DISPLACEMENT: - TONS  
DRAUGHT: 10.5 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 5000 NAUTICAL MILES  
MAX SPEED: 10.5 KNOTS  
MIN SPEED: 3.5 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	Y
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	-
WET-LAB:	-
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	10000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	3800 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	29700 FEET
WIRE DIAMETER:	0.250 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	29700 FEET
WIRE DIAMETER:	0.250 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONIX 4051
FACSIMILE:	-
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	-
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	Y
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	TEXAS INST.
SOUNDING SYSTEM (DEEP):	RAYTHEON

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IDA GREEN

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	UT-IG	
DEP: 23 DEC 82 GALVESTON, TX	MAINTENANCE, HOLIDAYS	11
ARR: 02 JAN 83 GALVESTON, TX		
AREA INDEX: NA9		
OPEN	UT-IG	
DEP: 03 JAN 83 GALVESTON, TX	OPEN	63
ARR: 07 MAR 83 GALVESTON, TX		
AREA INDEX: OPEN		
OUT OF SERVICE	UT-IG	
DEP: 08 MAR 83 GALVESTON, TX	DRYDOCK, ABS	6
ARR: 14 MAR 83 GALVESTON, TX		
AREA INDEX: NA9		
OPEN	UT-IG	
DEP: 15 MAR 83 GALVESTON, TX	OPEN	16
ARR: 31 MAR 83 GALVESTON, TX		
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-IG
DEP: 01 APR 83 GALVESTON, TX	IG-47 GULF DREDGING	29
ARR: 30 APR 83 GALVESTON, TX		
AREA INDEX: NA9		
OPEN	UT-IG	
DEP: 01 MAY 83 GALVESTON, TX	OPEN	22
ARR: 23 MAY 83 GALVESTON, TX		
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	MATSUMOTO	UT-IG
DEP: 24 MAY 83 GALVESTON, TX	IG-48 FLORIDA BANK	7
ARR: 31 MAY 83 GALVESTON, TX		
AREA INDEX: NA9		
OPEN	UT-IG	
DEP: 01 JUN 83 GALVESTON, TX	OPEN	204
ARR: 22 DEC 83 GALVESTON, TX		
AREA INDEX: OPEN		
OUT OF SERVICE	UT-IG	
DEP: 23 DEC 83 GALVESTON, TX	MAINTENANCE & LEAVE	8
ARR: 31 DEC 83 GALVESTON, TX		
AREA INDEX: NA9		

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FRED H MOORE  
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POINT OF CONTACT INFORMATION

POC: WILLIAM H MITCHELL  
POC OFFICE: MARINE OPERATIONS SUPERINTENDENT  
POC ORGANIZATION: INSTITUTE FOR GEOPHYSICS, UNIV OF TX  
POC ADDRESS: 700 THE STRAND  
POC CITY/STATE: GALVESTON TX 77550  
FTS PREFIX: 713  
COMMERCIAL AREA CODE: 713  
PHONE: 765-2276  
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ADMINISTRATIVE DETAILS

COMMON SHIP NAME: MOORE  
DESIGNATOR: RV  
CLASS: SEISMIC SHIP  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: MARINE GEOPHYSICS RESEARCH  
SHIP OWNER: UNIV. OF TEXAS  
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING  
FLAG REGISTRY: USA  
HOME PORT: GALVESTON TX USA  
TECHNICAL SPONSOR: U. OF TX. INST. FOR GEOPHYSICS  
OPERATIONS CONTROL: U. OF TX. INST. FOR GEOPHYSICS  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 7,2/81 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 20  
NUMBER OFFICERS: -  
NUMBER IN CREW: 9  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 26 DAY(S)  
LIMITING FACTOR: REFRIGERATED STORES  
BUILDER: BURTON SHIP BUILDING  
WHERE BUILT: PORT ARTHUR TX USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: -  
DELIVERY DATE: -  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: 1987  
UPDATE OF INFORMATION: 15 NOV 82  
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SHIP DIMENSIONS

LENGTH: 165.0 FEET  
MAX BEAM: 38.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 297  
DISPLACEMENT: - TONS  
DRAUGHT: 11.4 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 6000 NAUTICAL MILES  
MAX SPEED: 11.5 KNOTS  
MIN SPEED: 3.9 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	Y
STABILIZER:	N
DEEP ANCHOR:	NO
BERTHING VAN DIMENSIONS:	- FEET
INSTRUMENT VAN DIMENSIONS:	-
WET-LAB:	-
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	0 POUNDS
NUMBER OF FRAMES:	
CRANES OR BOOMS	
MAX HOIST CAPACITY:	3800 POUNDS
NUMBER OF CRANES:	1
WINCHES:	-

## ELECTRONIC EQUIPMENT

COMPUTERS:	TI 980A
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	-
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	BENMAR
SOUNDING SYSTEM (DEEP):	RAYTHEON

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FRED H MOORE

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	UT-16	
DEP: 22 DEC 82 GALVESTON, TX	MAINTENANCE & LEAVE	
ARR: 03 JAN 83 GALVESTON, TX		13
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	BEHRENS	UT-16
DEP: 04 JAN 83 GALVESTON, TX	FM-17 UNIV. OF TEXAS/AUSTIN	
ARR: 08 JAN 83 GALVESTON, TX	STUDENT CRUISE (F)	4
AREA INDEX: NA9		
OPEN	UT-16	
DEP: 10 JAN 83 GALVESTON, TX	OPEN	
ARR: 14 JAN 83 GALVESTON, TX		4
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	GLOVER	UT-16
DEP: 15 JAN 83 GALVESTON, TX	FM-18 GULF PROJECT (NF)	
ARR: 06 FEB 83 GALVESTON, TX		22
AREA INDEX: NA9		
OPEN	UT-16	
DEP: 07 FEB 83 GALVESTON, TX	OPEN	
ARR: 14 FEB 83 GALVESTON, TX		7
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-16
DEP: 15 FEB 83 GALVESTON, TX	FM-19 WEST FLORIDA BANK (NF)	
ARR: 16 MAR 83 GALVESTON, TX		29
AREA INDEX: NA9		
OPEN	UT-16	
DEP: 16 MAR 83 GALVESTON, TX	OPEN	
ARR: 30 APR 83 GALVESTON, TX		45
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-16
DEP: 01 MAY 83 GALVESTON, TX	FM-20 MISSISSIPPI FAN (NF)	
ARR: 21 MAY 83 GALVESTON, TX		20
AREA INDEX: NA9		
DEP: 23 MAY 83 GALVESTON, TX	FM-21 UNIV. OF TEXAS/AUSTIN	
ARR: 27 MAY 83 GALVESTON, TX	STUDENT CRUISE (F)	4
AREA INDEX: NA9		
OUT OF SERVICE	UT-16	
DEP: 28 MAY 83 GALVESTON, TX	MAINTENANCE, LEAVE, ETC.	
ARR: 31 MAY 83 GALVESTON, TX		3
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-16

DEP: 01 JUN 83 GALVESTON, TX	FM-22 OUTER HIGH PROJECT (NF)	29
ARR: 30 JUN 83 GALVESTON, TX		
AREA INDEX: NA9		
.....		
OPEN	UT-IG	
DEP: 01 JUL 83 GALVESTON, TX	OPEN	44
ARR: 14 AUG 83 GALVESTON, TX		
AREA INDEX: OPEN		
.....		
OCEANOGRAPHIC RESEARCH	AUSTIN	UT-IG
DEP: 15 AUG 83 GALVESTON, TX	FM-23 EUCADOR-PERU PROJECT (NF)	46
ARR: 30 SEP 83 GALVESTON, TX		
AREA INDEX: NA9 NP13 SP3A		
.....		
OPEN	UT-IG	
DEP: 01 OCT 83 GALVESTON, TX	OPEN	82
ARR: 22 DEC 83 GALVESTON, TX		
AREA INDEX: OPEN		
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OUT OF SERVICE	UT-IG	
DEP: 23 DEC 83 GALVESTON, TX	MAINTENANCE, LEAVE, ETC.	8
ARR: 31 DEC 83 GALVESTON, TX		
AREA INDEX: NA9		
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 LONGHORN  
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POINT OF CONTACT INFORMATION

POC: MR JOHN H THOMPSON  
 POC OFFICE: ASSOCIATE DIRECTOR FOR ADMIN  
 POC ORGANIZATION: MARINE SCIENCE LABORATORY  
 POC ADDRESS: UNIV. OF TEXAS  
 POC CITY/STATE: PORT ARANSAS TX 78373  
 COMMERCIAL AREA CODE: 512  
 PHONE: 749-6760  
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ADMINISTRATIVE DETAILS

DESIGNATOR:	RV	
CLASS:	TRAWLER	
CALL SIGN (INTERNATIONAL):	-	
FLEET:	UNOLS	
SHIP TYPE:	OCEAN RESEARCH-GENERAL	
SHIP OWNER:	UNIV. OF TEXAS	
CERTIFICATION AUTHORITY:	TEXAS PARKS & WILDLIFE	
FLAG REGISTRY:	USA	
HOME PORT:	PORT ARANSAS TX	
TECHNICAL SPONSOR:	U UNIV. OF TEXAS	
OPERATIONS CONTROL:	U, TEX.-PORT ARANSAS MARINE LAB	
CONTRACTUAL INFORMATION:	NONE	
OPERATING COST/DAY:	1.5/81	THOUSAND \$'S
SCIENTIFIC COMPLEMENT:	10	
NUMBER OFFICERS:	2	
NUMBER IN CREW:	3	
MAX SEA STATE:	3 BEAUFORT SCALE	
ENDURANCE:	18 DAY(S)	
LIMITING FACTOR:	WATER-REFRIG. STORES	
BUILDER:	ALLIED SHIPYARD	
WHERE BUILT:	LAROSE, LA USA	
INITIAL COST:	-	
DUE DATE:	-	
KEEL DATE:	-	
LAUNCH DATE:	-71	
DELIVERY DATE:	-71	
COMMISSION DATE:	-71	
CONVERSION DATE:	-	
LAST OVERHAUL:	-80	
MAINTENANCE CYCLE:	1.6 YEARS	
END OF LIFE:	1990	
UPDATE OF INFORMATION:	16 DEC 82	

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SHIP DIMENSIONS

LENGTH:	80.0 FEET
MAX BEAM:	24.2 FEET
HEIGHT:	- FEET
GROSS TONNAGE:	146
DISPLACEMENT:	200 TONS
DRAUGHT:	7.3 FEET
CRUISE SPEED:	9.0 KNOTS
RANGE:	2000 NAUTICAL MILES
MAX SPEED:	9.5 KNOTS
MIN SPEED:	1.5 KNOTS

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# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL/1 DIESEL
BOW THRUSTER:	HYDRAULIC, TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	20X8X8
INSTRUMENT VAN DIMENSIONS:	20X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 16 FOOT RUBBER INFLATABLE	
2. 12 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	8000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	4000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1500 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1500 FEET
WIRE DIAMETER:	0.250 INCHES
04. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.250 INCHES
05. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	10000 FEET
WIRE DIAMETER:	0.218 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	PLESSEY 9040(STD)
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N

SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	MORROW
SOUNDING SYSTEM (DEEP):	FURUNO

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LONGHORN

LAST CHANGED 15 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH\*\*\*\*\*

UNIV OF TEXAS

DEP: 01 JAN 83 PORT ARANSAS, TX      SHORT CRUISES IN GULF OF MEXICO OFF  
ARR: 31 DEC 83 PORT ARANSAS, TX      ARANSAS. CALL POC FOR DETAILS 365  
AREA INDEX: NA9

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THOMAS G THOMPSON

POINT OF CONTACT INFORMATION

POC: CAPT R E WILLIAMS  
POC OFFICE: PORT CAPTAIN/ENGINEER  
POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY  
POC ADDRESS: UNIV. OF WASHINGTON  
POC CITY/STATE: SEATTLE WA 98195  
FTS PREFIX: 206  
COMMERCIAL AREA CODE: 206  
PHONE: 543-5648

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: THOMPSON  
DESIGNATOR: AGOR 9  
CLASS: ROBERT D CONRAD/AGOR 3  
CALL SIGN (INTERNATIONAL): KGWT  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: USCG INSPECTED/ABS CLASSED  
FLAG REGISTRY: NONE  
HOME PORT: SEATTLE WA  
TECHNICAL SPONSOR: U UNIV. OF WASHINGTON  
OPERATIONS CONTROL: UNIV. OF WASHINGTON  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 20 SEP 80 CON  
NO0014-77-L-0009  
OPERATING COST/DAY: 5.37/80 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 19  
NUMBER OFFICERS: 9  
NUMBER IN CREW: 13  
MAX SEA STATE: 5 BEAUFORT SCALE  
ENDURANCE: 40 DAY(S)  
LIMITING FACTOR: FUEL  
BUILDER: MARINETTE MARINE CORPORATION  
WHERE BUILT: MARINETTE WI USA  
INITIAL COST: 3.0/65 MILLION \$'S IN YEAR  
DUE DATE: -  
KEEL DATE: 12 SEP 63  
LAUNCH DATE: 18 JUL 64  
DELIVERY DATE: 04 SEP 65  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: 07 FEB 80  
MAINTENANCE CYCLE: 2.0 YEARS  
END OF LIFE: 1994  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 208.8 FEET  
MAX BEAM: 39.4 FEET  
HEIGHT: 87.0 FEET  
GROSS TONNAGE: 1151  
DISPLACEMENT: 1401 TONS  
DRAUGHT: 15.0 FEET  
CRUISE SPEED: 9.5 KNOTS  
RANGE: 8500 NAUTICAL MILES  
MAX SPEED: 11.5 KNOTS  
MIN SPEED: 0.5 KNOTS

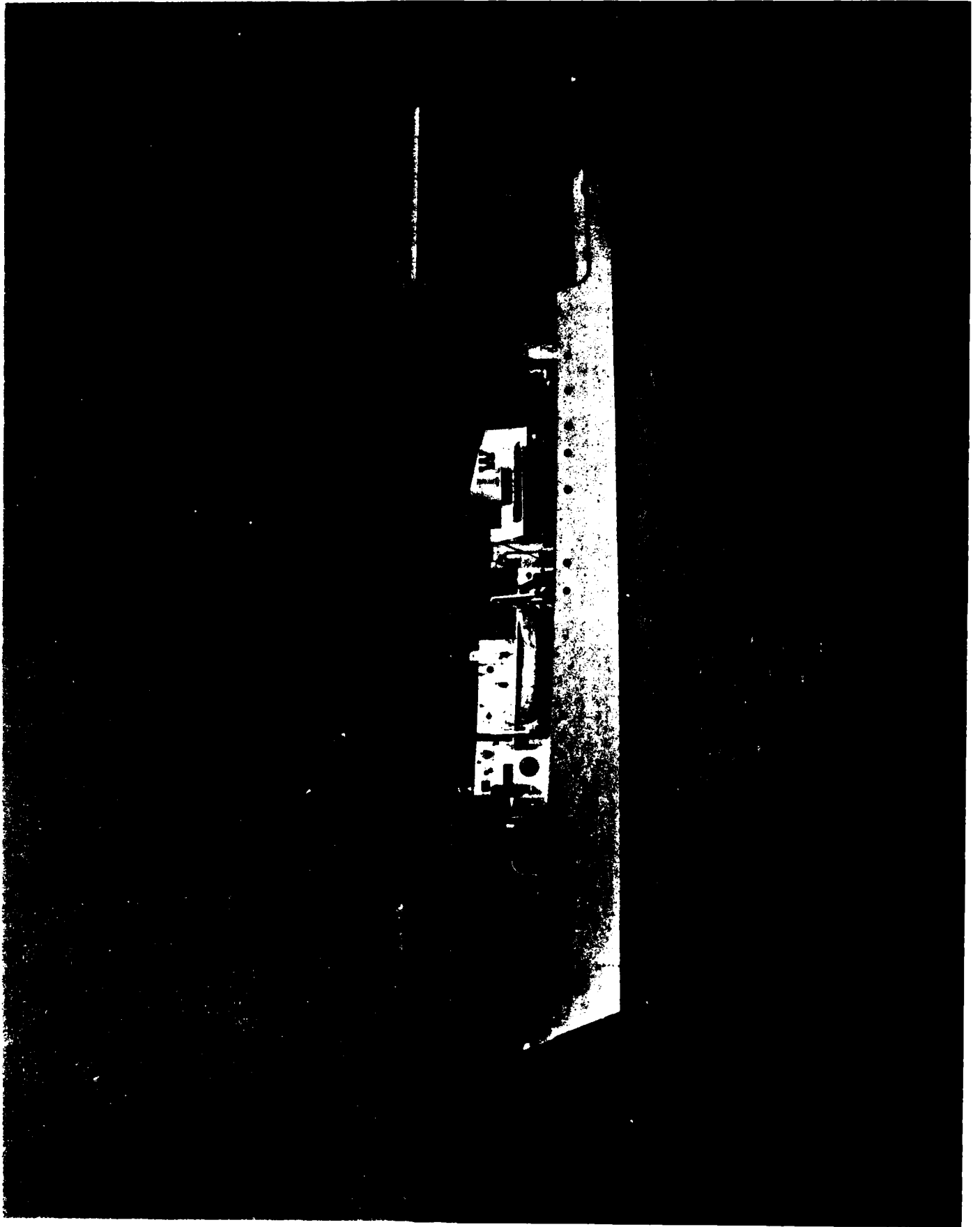
# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL ELECTRIC
AUXILIARY PROPULSION:	GAS TURBINE
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL/1 DIESEL/JP5+#20
BOW THRUSTER:	TRAINABLE/RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 16 FOOT BOSTON WHALER	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	10000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	9
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.220 INCHES
03. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	TRAWL
SLIP-RINGS:	9
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
SECONDARY WIRE LEN:	15000 FEET
SECONDARY WIRE DIAM:	0.464 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS, RAYTHEON
SOUNDING SYSTEM (DEEP):	RAYTH., GIFFT





The diagram shows two levels of a ship, labeled O1 LEVEL and O2 LEVEL.

**O1 LEVEL:** This level is the upper deck. At the bow (top) is the ANCHOR WINDLASS. Moving aft, there are quarters for the CHIEF SCI SR, two BATH rooms, and the MASTER SR. Below these are two LIFE BOATs. The central area contains the RADIO RM, RDO OFF SR, and a central BATH. Below these are the LIBRARY and GAS TURBINE GEN RM. At the stern (bottom) are the CRANE, CONTROL STA, and HYDRO GAVIN. There are also two UP and DOWN ladders.

**O2 LEVEL:** This level is the lower deck. It contains the CHART & SCI INSTRUMENT RM, CHART RM, and PILOT HOUSE. There are also two UP and DOWN ladders.

01 LEVEL

## TEST 20

**MAIN DECK**

**FIRST PLATFORM**

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THOMAS G THOMPSON

LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE ..... UNIV OF WASH  
DEP: 01 JAN 83 SEATTLE, WA YARD PERIOD FOR MAJOR REFIT  
ARR: 30 APR 83 SEATTLE, WA 119  
AREA INDEX: NP9  
OPEN ..... UNIV OF WASH  
DEP: 01 MAY 83 SEATTLE, WA OPEN  
ARR: 30 MAY 83 SEATTLE, WA 29  
AREA INDEX: OPEN  
OCEANOGRAPHIC RESEARCH ..... C LORENZEN UNIV OF WASH  
DEP: 31 MAY 83 SEATTLE, WA ORGANIC MATTER IN THE DEEP SEA STAT  
ARR: 21 JUN 83 SEATTLE, WA 21  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH ..... P NIILER OSU  
DEP: 24 JUN 83 SEATTLE, WA CIRCULATION OF N.E. PACIFIC  
ARR: 29 JUL 83 NEWPORT, OR 30/40N ALONG 150W 35  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH ..... G ANDERSON ET AL DOE  
DEP: 01 AUG 83 NEWPORT, OR MECHANISMS OF TRANSFER OF ENERGY-DO  
ARR: 10 AUG 83 SEATTLE, WA WASHINGTON/OREGON COAST 9  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH ..... P JOHNSON/J DELANEY UNIV OF WASH  
DEP: 19 AUG 83 SEATTLE, WA HOT SPOT RIDGE CREST STUDY  
ARR: 20 SEP 83 SEATTLE, WA JUAN DE FUCA RIDGE 32  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH ..... KNOX/MONK/WORCESTER SIO  
DEP: 28 SEP 83 SEATTLE, WA ACOUSTIC TECHNIQUES, MOORING DEPLOY  
ARR: 11 OCT 83 HONOLULU, HI N.E. OF HAWAII 13  
AREA INDEX: NP9 NP12  
OCEANOGRAPHIC RESEARCH ..... SCHMITZ/JOYCE/TAFT WHOI/UW  
DEP: 14 OCT 83 HONOLULU, HI ZONAL EXPLORATION OF MID N.PACIFIC  
ARR: 07 DEC 83 HONOLULU, HI 30N-165E/175W MIDWAY PORT CALL 54  
AREA INDEX: NP12 NP11  
OCEANOGRAPHIC RESEARCH ..... KNOX/MONK/WORCESTER SIO  
DEP: 10 DEC 83 HONOLULU, HI ACOUSTIC TECHNIQUES, MOORING DEPLOY  
ARR: 23 DEC 83 SEATTLE, WA N.E. OF HAWAII 13  
AREA INDEX: NP12 NP9  
OUT OF SERVICE ..... UNIV OF WASH  
DEP: 24 DEC 83 SEATTLE, WA HOME PORT FOR HOLIDAYS  
ARR: 31 DEC 83 SEATTLE, WA 7  
AREA INDEX: NP9  
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ONAR

POINT OF CONTACT INFORMATION

POC: CAPT R E WILLIAMS  
POC OFFICE: PORT CAPTAIN/ENGINEER  
POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY  
POC ADDRESS: UNIV. OF WASHINGTON  
POC CITY/STATE: SEATTLE WA 98195  
FTS PREFIX: 206  
COMMERCIAL AREA CODE: 206  
PHONE: 543-5648

ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
CLASS: ARMY T BOAT  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: NONE  
FLAG REGISTRY: NOT IN REGISTRY  
HOME PORT: SEATTLE WA  
TECHNICAL SPONSOR: U UNIV. OF WASHINGTON  
OPERATIONS CONTROL: UNIV. OF WASHINGTON  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE UNKNOWN CON #  
0014-69-C-0462  
OPERATING COST/DAY: 1.05/80 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 6  
NUMBER OFFICERS: 0  
NUMBER IN CREW: 2  
MAX SEA STATE: 4 BEAUFORT SCALE  
ENDURANCE: 5 DAY(S)  
LIMITING FACTOR: WATER  
BUILDER: NATIONAL STEEL & SHIPBUILDING CORP.  
WHERE BUILT: SAN DIEGO CA USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: -  
DELIVERY DATE: -54  
COMMISSION DATE: -63  
CONVERSION DATE: -78  
LAST OVERHAUL: -78  
MAINTENANCE CYCLE: 4.0 YEARS  
END OF LIFE: 1977  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 65.0 FEET  
MAX BEAM: 18.0 FEET  
HEIGHT: 40.0 FEET  
GROSS TONNAGE: 74  
DISPLACEMENT: 95 TONS  
DRAUGHT: 9.0 FEET  
CRUISE SPEED: 8.5 KNOTS  
RANGE: 750 NAUTICAL MILES  
MAX SPEED: 10.0 KNOTS  
MIN SPEED: 4.0 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	NONE
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NONE
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	0 POUNDS
NUMBER OF FRAMES:	0
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	4000 FEET
WIRE DIAMETER:	0.156 INCHES
02. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1500 FEET
WIRE DIAMETER:	0.500 INCHES
03. MAJOR TYPE/USE:	UTILITY
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.500 INCHES
04. MAJOR TYPE/USE:	UTILITY
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.375 INCHES
05. MAJOR TYPE/USE:	UTILITY
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.500 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	N
OMEGA:	N
SATELLITE NAVIGATION:	N

RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	SIMRAD

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ONAP LAST CHANGED 14 DEC 82  
OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	UNIV OF WASHIN
DEP: 01 JAN 83 SEATTLE, WA	NUMEROUS SHORT TRIPS WITHIN PUGET S
ARR: 31 DEC 83 SEATTLE, WA	CALL POC FOR DETAILS 365
AREA INDEX: NP9	

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HOM  
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POINT OF CONTACT INFORMATION

POC: CAPT R E WILLIAMS  
POC OFFICE: PORT CAPTAIN/ENGINEER  
POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY  
POC ADDRESS: UNIV. OF WASHINGTON  
POC CITY/STATE: SEATTLE WA 98195  
FTS PREFIX: 206  
COMMERCIAL AREA CODE: 206  
PHONE: 543-5648  
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ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
CLASS: WOODEN HULL UTILITY VESSEL  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: NONE  
FLAG REGISTRY: NOT IN REGISTRY  
HOME PORT: SEATTLE WA  
TECHNICAL SPONSOR: U UNIV. OF WASHINGTON  
OPERATIONS CONTROL: UNIV. OF WASHINGTON  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE UNKNOWN CON #  
0014-69-C-0462  
OPERATING COST/DAY: 1.05/80 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 6  
NUMBER OFFICERS: 0  
NUMBER IN CREW: 2  
MAX SEA STATE: 2 BEAUFORT SCALE  
ENDURANCE: 10 DAY(S)  
LIMITING FACTOR: WATER  
BUILDER: FEDERAL PRISON INDUSTRIES INC.  
WHERE BUILT: MCNEIL ISLAND WA USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: -  
DELIVERY DATE: -43  
COMMISSION DATE: -  
CONVERSION DATE: -62  
LAST OVERHAUL: -74  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: 1966  
UPDATE OF INFORMATION: 16 DEC 82  
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SHIP DIMENSIONS

LENGTH: 65.0 FEET  
MAX BEAM: 14.0 FEET  
HEIGHT: 34.0 FEET  
GROSS TONNAGE: 31  
DISPLACEMENT: 81 TONS  
DRAUGHT: 8.0 FEET  
CRUISE SPEED: 8.0 KNOTS  
RANGE: 800 NAUTICAL MILES  
MAX SPEED: 8.5 KNOTS  
MIN SPEED: 1.5 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	NONE
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NONE
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	250 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	9
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.292 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.156 INCHES
03. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.500 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	N
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	N
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON/ROSS
SOUNDING SYSTEM (DEEP):	SIMRAD

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LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH .....

UNIV OF WASHIN

DEP: 01 JAN 83 SEATTLE, WA  
ARR: 31 DEC 83 SEATTLE, WA  
AREA INDEX: NP9

NUMEROUS SHORT TRIPS WITHIN PUGET S  
CALL POC FOR DETAILS 365

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ATLANTIS II

POINT OF CONTACT INFORMATION

POC: MR J D DONNELLY  
POC OFFICE: MANAGER  
POC ORGANIZATION: MARINE OPERATIONS  
POC ADDRESS: WOODS HOLE OCEANOGRAPHIC INST.  
POC CITY/STATE: WOODS HOLE MA 02543  
FTS PREFIX: 617  
COMMERCIAL AREA CODE: 617  
PHONE: 548-1400

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: ATLANTIS  
DESIGNATOR: RV  
CLASS: -  
CALL SIGN (INTERNATIONAL): -  
FLEET: UNOLS  
SHIP TYPE: -  
SHIP OWNER: WOODS HOLE OCEANOGRAPHIC INST.  
CERTIFICATION AUTHORITY: USCG  
FLAG REGISTRY: USA  
HOME PORT: WOODS HOLE MA  
TECHNICAL SPONSOR: U WOODS HOLE OCEANOGRAPHIC INST.  
OPERATIONS CONTROL: WOODS HOLE OCEANOGRAPHIC INST.  
CONTRACTUAL INFORMATION: NONE  
OPERATING COST/DAY: 6,678 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 25  
NUMBER OFFICERS: 11  
NUMBER IN CREW: 20  
MAX SEA STATE: - BEAUFORT SCALE  
ENDURANCE: 25 DAY(S)  
LIMITING FACTOR: -  
BUILDER: MARYLAND SHIPBUILDING AND DRYDOCK CO.  
WHERE BUILT: BALTIMORE MD USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: -  
LAUNCH DATE: '62  
DELIVERY DATE: 31 JAN 63  
COMMISSION DATE: -  
CONVERSION DATE: -  
LAST OVERHAUL: 00 MAY 75  
MAINTENANCE CYCLE: 1.5 YEARS  
END OF LIFE: 1993  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 210.3 FEET  
MAX BEAM: 44.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: 1529  
DISPLACEMENT: 2300 TONS  
DRAUGHT: 16.0 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 6000 NAUTICAL MILES  
MAX SPEED: 12.0 KNOTS  
MIN SPEED: - KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	RECIPRO STEAM
AUXILIARY PROPULSION:	STEAM TURBINE
NUMBER OF SHAFTS:	2
FUEL TYPE:	-
BOW THRUSTER:	TRANSVERSE DUCT
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	25000 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	-
1. 16 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0. INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0. INCHES
04. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	FEET
WIRE DIAMETER:	0 INCHES
05. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	FEET
WIRE DIAMETER:	0 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2116A
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y

RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	-
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO, GIFFT

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# ATLANTIS II

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

## OUT OF SERVICE.....

DEP: 01 OCT 82 WOODS HOLE CONVERSION FOR ALVIN HANDLING AND  
ARR: 31 MAY 83 WOODS HOLE DRYDOCKING TO INSTALL SEA BEAM 243  
AREA INDEX: NA6

DEP: 01 JUN 83 WOODS HOLE SUBMERSIBLE SYSTEM TEST & TRAINING  
ARR: 30 JUN 83 WOODS HOLE SIDE & UNDERWAY. ALVIN ABOARD 29  
AREA INDEX: NA6

## OUT OF SERVICE.....DONNELLY/TUCHOLKE NSF/ONR

DEP: 01 JUL 83 WOODS HOLE SUBMERSIBLE SYSTEM TRAINING. TEST 0  
ARR: 24 JUL 83 WOODS HOLE BEAM SYSTEM. USN CERTIFICATION 23  
AREA INDEX: NA6

## OCEANOGRAPHIC RESEARCH.....WISHNER/WILLIAMS NSF/KAPL

DEP: 25 JUL 83 WOODS HOLE ZOOPLANKTON TROPHODYNAMICS. RETRIEVE  
ARR: 05 AUG 83 WOODS HOLE 82 CORROSION TEST. NE CON. SHELF 11  
AREA INDEX: NA6

## OCEANOGRAPHIC RESEARCH.....FLOOD/BISCAYE NSF

DEP: 12 AUG 83 WOODS HOLE STUDY ABYSSAL SEDIMENT. SET CURRENT  
ARR: 24 AUG 83 WOODS HOLE MOORINGS: W. NO. ATL., BLAKE RIDGE 12  
AREA INDEX: NA6

## OCEANOGRAPHIC RESEARCH.....

DEP: 03 SEP 83 WOODS HOLE TRANSIT TO PANAMA  
ARR: 10 SEP 83 BALBOA, PANAMA 7  
AREA INDEX: NA6 NA9 NP13

## OCEANOGRAPHIC RESEARCH.....GRASSLE/HONJO ET. AL. NSF

DEP: 15 SEP 83 BALBOA, PANAMA QUANTIFY RIOTURBATION PROCESSES, FL  
ARR: 04 OCT 83 BALBOA, PANAMA PARTICULATE & AGGREGATE MATTER 19  
AREA INDEX: NP13

## OCEANOGRAPHIC RESEARCH.....MALAHOFF/EMBLEY NOAA

DEP: 10 OCT 83 BALBOA, PANAMA POLYMETALLIC SULFIDES  
ARR: 30 OCT 83 PUNTARENAS, CR GALAPAGOS RIDGE 20  
AREA INDEX: NP13

## OCEANOGRAPHIC RESEARCH.....BALLARD/MOTT ET. AL. NSF

DEP: 04 NOV 83 PUNTARENAS, CR HYDROTHERMAL PROCESSES RELATING TO  
ARR: 27 NOV 83 SAN DIEGO, CA VULCANISM. E PAC RISE 10N-15N 23  
AREA INDEX: NP13 NP9

## OCEANOGRAPHIC RESEARCH.....LONSDALE ONR

DEP: 03 DEC 83 SAN DIEGO, CA INVEST. FIEBERLING GUYOT-GUADELUPE  
ARR: 18 DEC 83 SAN DIEGO, CA SPOT CHAIN - CALIF. SEAMOUNTS 15  
AREA INDEX: NP9

## OUT OF SERVICE.....

DEP: 21 DEC 83 SAN DIEGO, CA MAINTENANCE  
ARR: 31 DEC 83 SAN DIEGO, CA 10  
AREA INDEX: NP9

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POINT OF CONTACT INFORMATION

POC: MR J D DONNELLY  
POC OFFICE: MANAGER  
POC ORGANIZATION: MARINE OPERATIONS  
POC ADDRESS: WOODS HOLE OCEANOGRAPHIC INST.  
POC CITY/STATE: WOODS HOLE MA 02543  
FTS PREFIX: 617  
COMMERCIAL AREA CODE: 617  
PHONE: 548-7400

ADMINISTRATIVE DETAILS

DESIGNATOR: AGOR 15  
CLASS: MELVILLE/AGOR 14  
CALL SIGN (INTERNATIONAL): KCFJ  
FLEET: UNOLS  
SHIP TYPE: OCEAN RESEARCH-GENERAL  
SHIP OWNER: USN  
CERTIFICATION AUTHORITY: -  
FLAG REGISTRY: USA  
HOME PORT: WOODS HOLE MA  
TECHNICAL SPONSOR: U WOODS HOLE OCEANOGRAPHIC INST.  
OPERATIONS CONTROL: WOODS HOLE OCEANOGRAPHIC INST.  
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 25 MAR 80 CON  
NOO014-69-C-0241  
OPERATING COST/DAY: 5,578 THOUSAND \$'S  
SCIENTIFIC COMPLEMENT: 25  
NUMBER OFFICERS: 0  
NUMBER IN CREW: 25  
MAX SEA STATE: - BEAUFORT SCALE  
ENDURANCE: 60 DAY(S)  
LIMITING FACTOR: -  
BUILDER: DEFOE SHIPBUILDING COMPANY  
WHERE BUILT: BAY CITY MI USA  
INITIAL COST: -  
DUE DATE: -  
KEEL DATE: 09 AUG 67  
LAUNCH DATE: 21 AUG 68  
DELIVERY DATE: 70  
COMMISSION DATE: 14 JAN 70  
CONVERSION DATE: -  
LAST OVERHAUL: -  
MAINTENANCE CYCLE: - YEARS  
END OF LIFE: 2000  
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 244.8 FEET  
MAX BEAM: 46.0 FEET  
HEIGHT: - FEET  
GROSS TONNAGE: -  
DISPLACEMENT: 1915 TONS  
DRAUGHT: 15.0 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 10000 NAUTICAL MILES  
MAX SPEED: 11.5 KNOTS  
MIN SPEED: 0.1 KNOTS

# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	CYCLOIDAL PROP FWD
NUMBER OF SHAFTS:	2
FUEL TYPE:	-
BOW THRUSTER:	YES
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	25000 FEET
BERTHING VAN DIMENSIONS:	YES
INSTRUMENT VAN DIMENSIONS:	YES
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	POUNDS
NUMBER OF FRAMES:	0
CRANES OR BOOMS	
MAX HOIST CAPACITY:	80000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
03. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.625 INCHES

# ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2116B
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	-
SEISMIC PROFILING:	-
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	HYDRO PRODUCTS
SOUNDING SYSTEM (DEEP):	RAYTHEON

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LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH.....SARMIENTO.....		NSF/DOE
DEP: 29 DEC 82 BELEM, BR	TROPICAL ATLANTIC STUDY	
ARR: 21 JAN 83 DAKAR, SENEGAL	CIRCULATION, MIXING PROCESSES	24
AREA INDEX: SA1 NA10		
DEP: 26 JAN 83 DAKAR, SENEGAL	TROPICAL ATLANTIC STUDY	
ARR: 19 FEB 83 RECIFE, BR	CIRCULATION, MIXING PROCESSES	25
AREA INDEX: SA1 NA10		
OCEANOGRAPHIC RESEARCH.....DEUSER.....		NSF
DEP: 22 FEB 83 RECIFE, BR	RECOVER/RE-DEPLOY SEDIMENT TRAP-EAS	
ARR: 10 MAR 83 WOODS HOLE	BARBADOS. PORT CALL-BARBADOS	17
AREA INDEX: SA1 NA9 NA10		
OUT OF SERVICE.....		
DEP: 11 MAR 83 WOODS HOLE	MAINTENANCE & DRYDOCKING	
ARR: 14 APR 83 WOODS HOLE		35
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH.....HOLLISTER ET AL.....		ONR
DEP: 15 APR 83 WOODS HOLE	HEBBLE/TEST SEDIMENT TRANSPORT MODE	
ARR: 25 APR 83 WOODS HOLE	NOVA SCOTIA RISE	10
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH.....VON HERZEN.....		NSF
DEP: 30 APR 83 WOODS HOLE	HEAT FLOW MEASUREMENTS ACROSS THE	
ARR: 31 MAY 83 WOODS HOLE	BERMUDA RISE	31
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH.....HOLLISTER ET AL.....		ONR
DEP: 05 JUN 83 WOODS HOLE	HEBBLE/TEST SEDIMENT TRANSPORT MODE	
ARR: 18 JUN 83 WOODS HOLE	NOVA SCOTIA RISE	13
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH.....STOMMEL/LUYTEN.....		NSF
DEP: 06 JUL 83 WOODS HOLE	GEOCHEMISTRY/OCEAN CIRCULATION, FLU	
ARR: 01 AUG 83 PARAMARIBO SURINAM	N. ATL. 50W MERIDIONAL SECTION	28
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH.....KATZ.....		NSF
DEP: 09 AUG 83 PARAMARIBO SURINAM	DYNAMIC MECHANISMS, SEQUAL-2 STATION	
ARR: 07 SEP 83 ABIDJAN	MOORINGS. EQUATORIAL ATLANTIC	29
AREA INDEX: NA9 NA10 NA11 SA1 SA2		
OCEANOGRAPHIC RESEARCH.....		
DEP: 12 SEP 83 ABIDJAN	TRANSIT	
ARR: 23 SEP 83 CAPETOWN		11
AREA INDEX: NA11 SA2 SA4		
OCEANOGRAPHIC RESEARCH.....GORDON.....		ONR



DEP: 26 SEP 83 CAPETOWN                      STUDY WINTER CONVECTION IN THERMOCL  
ARR: 26 OCT 83 CAPETOWN                      STRUCTURE OF AGULHAS CURRENT       30  
AREA INDEX: SA4       SA6       IN6

OCEANOGRAPHIC RESEARCH.....NOWLIN/REID.....                      NSF/ONR

DEP: 01 NOV 83 CAPETOWN                      STUDY WATER MASS CIRC. & FRONTS/S.A  
ARR: 04 JAN 84 CAPETOWN                      ANTARCTIC CIRCUMPOLAR GYRES       64  
AREA INDEX: SA4       SA6       IN9       IN6  
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OCEANUS

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POINT OF CONTACT INFORMATION

POC: MR J D DONNELLY  
 POC OFFICE: MANAGER  
 POC ORGANIZATION: MARINE OPERATIONS  
 POC ADDRESS: WOODS HOLE OCEANOGRAPHIC INST.  
 POC CITY/STATE: WOODS HOLE MA 02543  
 FTS PREFIX: 617  
 COMMERCIAL AREA CODE: 617  
 PHONE: 548-7400

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ADMINISTRATIVE DETAILS

DESIGNATOR: RV  
 CLASS: OCEANUS  
 CALL SIGN (INTERNATIONAL): -  
 FLEET: UNOLS  
 SHIP TYPE: OCEAN RESEARCH-GENERAL  
 SHIP OWNER: NSF  
 CERTIFICATION AUTHORITY: -  
 FLAG REGISTRY: USA  
 HOME PORT: WOODS HOLE MA  
 TECHNICAL SPONSOR: U WOODS HOLE OCEANOGRAPHIC INST.  
 OPERATIONS CONTROL: WOODS HOLE OCEANOGRAPHIC INST.  
 CONTRACTUAL INFORMATION: NONE  
 OPERATING COST/DAY: 3,678 THOUSAND \$'S  
 SCIENTIFIC COMPLEMENT: 13  
 NUMBER OFFICERS: 4  
 NUMBER IN CREW: 8  
 MAX SEA STATE: 3 BEAUFORT SCALE  
 ENDURANCE: 30 DAY(S)  
 LIMITING FACTOR: FUEL  
 BUILDER: -  
 WHERE BUILT: USA  
 INITIAL COST: 3.5/75 MILLION \$'S IN YEAR  
 DUE DATE: -  
 KEEL DATE: -  
 LAUNCH DATE: 19 DEC 74  
 DELIVERY DATE: 00 NOV 75  
 COMMISSION DATE: -  
 CONVERSION DATE: -  
 LAST OVERHAUL: -  
 MAINTENANCE CYCLE: - YEARS  
 END OF LIFE: 2000  
 UPDATE OF INFORMATION: 16 DEC 82

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SHIP DIMENSIONS

LENGTH: 177.0 FEET  
 MAX BEAM: 33.0 FEET  
 HEIGHT: 86.0 FEET  
 GROSS TONNAGE: 297  
 DISPLACEMENT: 960 TONS  
 DRAUGHT: 17.5 FEET  
 CRUISE SPEED: 14.0 KNOTS  
 RANGE: 8000 NAUTICAL MILES  
 MAX SPEED: 15.0 KNOTS  
 MIN SPEED: 1.0 KNOTS

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# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	TRAINABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	20000 FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 15 FOOT RUBBER INFLATABLE	
2. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	35000 POUNDS
NUMBER OF FRAMES:	3
CRANES OR BOOMS	
MAX HOIST CAPACITY:	24000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2100
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	NO

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# OCEANUS

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE..... WHOI

DEP: 23 DEC 82 WOODS HOLE MAINTENANCE 18  
ARR: 09 JAN 83 WOODS HOLE  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH..... MCCARTNEY NSF

DEP: 10 JAN 83 WOODS HOLE CIRCULATION OF MID-DEPTH WATER MASS  
ARR: 13 MAR 83 RIO DE JANEIRO, BR CEN.S.ATL. PORT CALL-RECIFE BR 63  
AREA INDEX: NA6 NA9 NA10 SA1 SA3

OCEANOGRAPHIC RESEARCH..... STOMMEL NSF

DEP: 17 MAR 83 RIO DE JANEIRO, BR XBT SURVEY. 13S - 23S BRAZIL CURREN 14  
ARR: 30 MAR 83 RIO DE JANEIRO, BR  
AREA INDEX: SA3A SA3

OCEANOGRAPHIC RESEARCH..... MCCARTNEY NSF

DEP: 03 APR 83 RIO DE JANEIRO, BR CIRCULATION OF MID-WATER MASSES. S.  
ARR: 16 APR 83 WALVIS BAY NAMIBIA W - E TRANSECT ALONG 22S 14  
AREA INDEX: SA1 SA2 SA3 SA3A

OCEANOGRAPHIC RESEARCH..... WARREN NSF

DEP: 30 APR 83 WALVIS BAY NAMIBIA DEEP CIRCULATION/ANGOLA BASIN. S. A  
ARR: 11 JUN 83 WOODS HOLE E-W TRANSECT 11S.PORT-RECIFE 43  
AREA INDEX: SA2 SA1 NA10 NA9 NA6

OUT OF SERVICE.....

DEP: 12 JUN 83 WOODS HOLE MAINTENANCE 25  
ARR: 07 JUL 83 WOODS HOLE  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH..... BUTMAN USGS

DEP: 08 JUL 83 WOODS HOLE CURRENTS & SEDIMENT DYNAMICS  
ARR: 17 JUL 83 WOODS HOLE GEORGES BANK & GULF OF MAINE 9  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH..... SPINDEL NSF

DEP: 20 JUL 83 WOODS HOLE ACOUSTIC TOMOGRAPHY, DEPLOY/RECOVER  
ARR: 26 JUL 83 WOODS HOLE OCEAN MOORINGS. S. OF EERMUDA 6  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH..... MADIN/SWANBERG NSF

DEP: 01 AUG 83 WOODS HOLE BIOLOGY OF GELATINOUS ZOOPLANKTON  
ARR: 15 AUG 83 ST.JOHNS, NFLND W. NORTH ATLANTIC 14  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH..... JANNASCH NSF

DEP: 18 AUG 83 ST.JOHNS, NFLND MICROPIAL TRANSFORMATIONS IN DEEP S  
ARR: 31 AUG 83 WOODS HOLE W. NO.ATL. ABYSSAL PLAIN AREA 13  
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH..... HOLLISTER ONR

DEP: 14 SEP 83 WOODS HOLE	HEBBLE - MOORINGS RECOVERY	
ARR: 18 SEP 83 WOODS HOLE	NOVA SCOTIA RISE	4
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	CHASE	NASA
DEP: 23 SEP 83 WOODS HOLE	FIELD TEST SATELLITE-LINKED OCEAN O	
ARR: 26 SEP 83 WOODS HOLE	SERVING SYS(RELAYS) W.NO.ATL.	3
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	SPINDEL	ONR
DEP: 30 SEP 83 WOODS HOLE	ACOUSTIC TOMOGRAPHY, DEPLOY/RECOVER	
ARR: 06 OCT 83 WOODS HOLE	OCEAN MOORING. S. OF BERMUDA	6
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	BRISCOE	ONR/NASA
DEP: 12 OCT 83 WOODS HOLE	UPPER OCEAN VARIABILITY(LOTUS) 34N,	
ARR: 20 OCT 83 WOODS HOLE	WESTERN NORTH ATLANTIC	8
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	BUTMAN	USGS
DEP: 27 OCT 83 WOODS HOLE	CURRENTS & SEDIMENT DYNAMICS	
ARR: 03 NOV 83 WOODS HOLE	GEORGES BANK & GULF OF MAINE	7
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	GRASSLE	PLM
DEP: 09 NOV 83 WOODS HOLE	BASELINE ECOLOGICAL STUDIES IN OFFS	
ARR: 20 NOV 83 WOODS HOLE	DRILLING AREAS. GEORGES BANK	11
AREA INDEX: NA6		
OPEN		
DEP: 01 DEC 83 WOODS HOLE	OPEN	
ARR: 16 DEC 83 WOODS HOLE		15
AREA INDEX: OPEN		
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 POINT OF CONTACT INFORMATION

SHIP NAME: JOHNSON  
 NAME: ROGER W COOK  
 OFFICE: DIRECTOR, MARINE OPERATIONS  
 ORGANIZATION: HARBOR BRANCH FOUNDATION INC  
 ADDRESS: R R 1 BOX 196  
 CITY-STATE: FORT PIERCE FL 33450  
 COMMERCIAL AREA CODE: 305  
 PHONE: 465-2400

SHIP DIMENSIONS

LENGTH: 123.7 FEET  
 MAX BEAM: 27.4 FEET  
 DISPLACEMENT: 325 TONS  
 DRAUGHT: 10.7 FEET  
 CRUISE SPEED: 12.0 KNOTS  
 RANGE: 2800 NAUTICAL MILES

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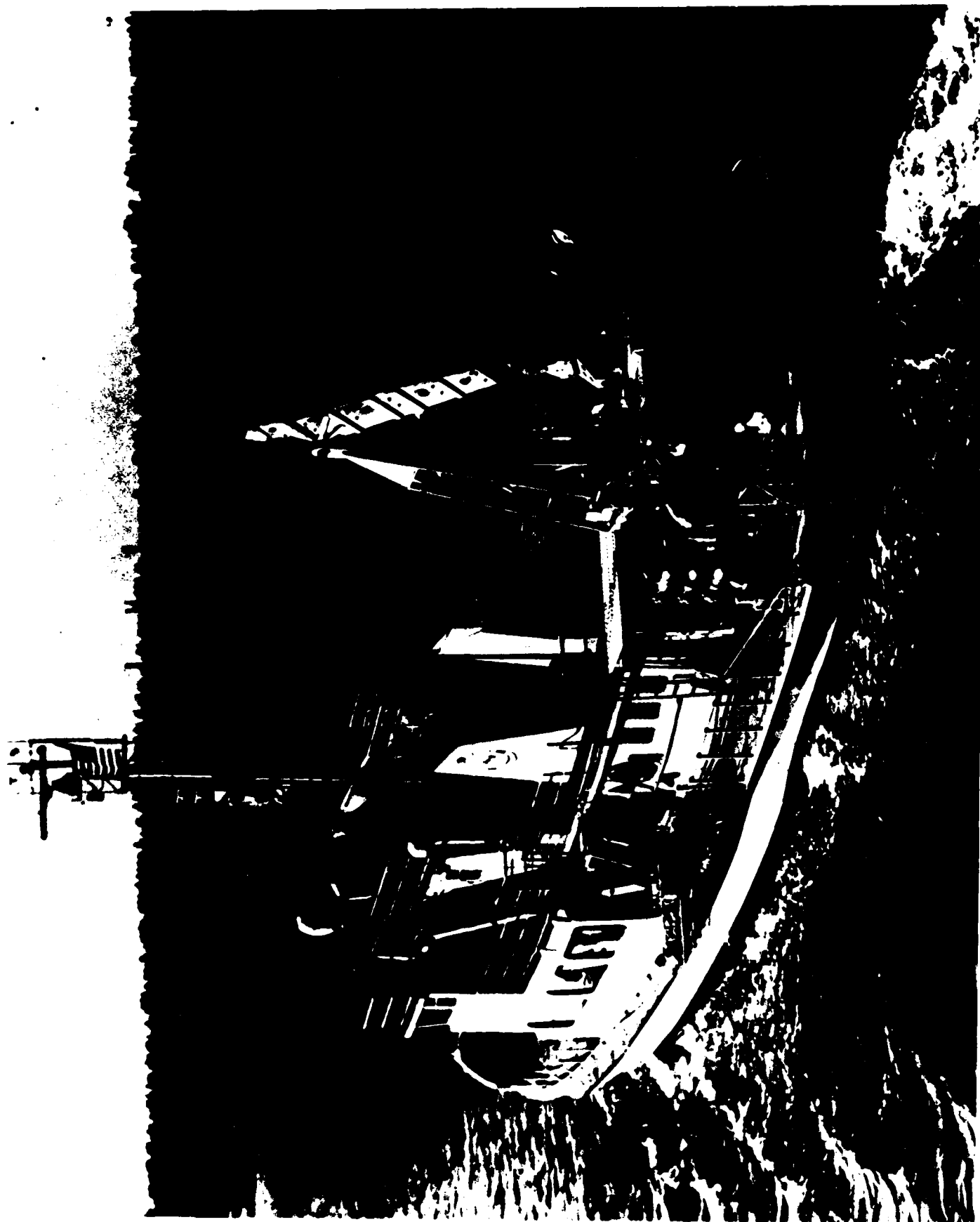
JOHNSON

LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD  
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		HARBOR BRANCH
DEP: 04 JAN 83 FORT PIERCE, FL	ANNUAL MAINTENANCE	
ARR: 28 JAN 83 FORT PIERCE, FL		24
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	MILLER	HARBOR BRANCH
DEP: 14 MAR 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 18 MAR 83 FORT PIERCE, FL		4
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	HOSKIN	HARBOR BRANCH
DEP: 10 APR 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 15 APR 83 FORT PIERCE, FL		5
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		HARBOR BRANCH
DEP: 16 APR 83 FORT PIERCE, FL	TRAINING	
ARR: 22 APR 83 FORT PIERCE, FL		6
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	YOUNG LUTH	HARBOR BRANCH
DEP: 01 MAY 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 20 MAY 83 FORT PIERCE, FL		19
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	VIRNSTEIN	HARBOR BRANCH
DEP: 06 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 07 JUN 83 FORT PIERCE, FL		1
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	HOSKIN	HARBOR BRANCH

DEP: 13 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 17 JUN 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	MILLER	HARBOR BRANCH
DEP: 20 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 24 JUN 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		HARBOR BRANCH
DEP: 05 JUL 83 FORT PIERCE, FL	SPECIAL MISSION	59
ARR: 02 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	MILLER	HARBOR BRANCH
DEP: 12 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 16 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	HOSKIN	HARBOR BRANCH
DEP: 19 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 27 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		HARBOR BRANCH
DEP: 02 OCT 83 FORT PIERCE, FL	SCIENCE MISSION	26
ARR: 28 OCT 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6 NP13		
OCEANOGRAPHIC RESEARCH	MILLER	HARBOR BRANCH
DEP: 07 NOV 83 FORT PIERCE, FL	SCIENCE MISSION	3
ARR: 10 NOV 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		HARBOR BRANCH
DEP: 17 NOV 83 FORT PIERCE, FL	TRAINING	10
ARR: 23 NOV 83 FORT PIERCE, FL		
AREA INDEX: NA9 NA6		
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# POINT OF CONTACT INFORMATION

SHIP NAME: SEA DIVER  
 NAME: ROGER W COOK  
 OFFICE: DIRECTOR, MARINE OPERATIONS  
 ORGANIZATION: HARBOR BRANCH FOUNDATION INC  
 ADDRESS: R R 1 BOX 196  
 CITY-STATE: FORT PIERCE FL 37450  
 COMMERCIAL AREA CODE: 305  
 PHONE: 465-2400

## SHIP DIMENSIONS

LENGTH: 98.6 FEET  
 MAX BEAM: 23.1 FEET  
 DISPLACEMENT: 274 TONS  
 DRAUGHT: 9.1 FEET  
 CRUISE SPEED: 10.0 KNOTS  
 RANGE: 5000 NAUTICAL MILES

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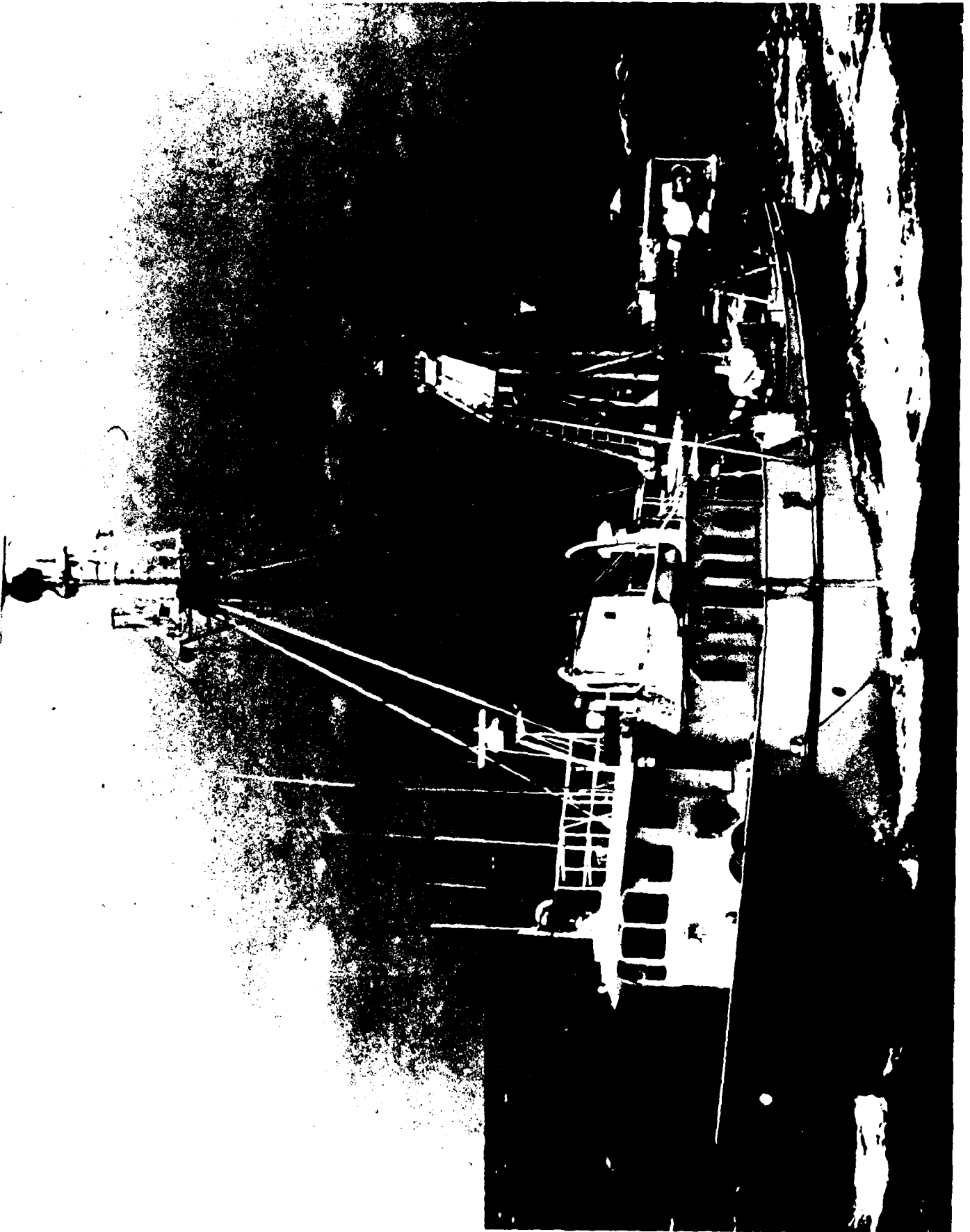
SEA DIVER

LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD  
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE.....		HARBOR BRANCH
DEP: 31 JAN 83 FORT PIERCE, FL	ANNUAL MAINTENANCE	
ARR: 14 MAR 83 FORT PIERCE, FL		32
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH.....GIBSON/MONTGOMERY		HARBOR BRANCH
DEP: 14 MAR 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 18 MAR 83 FORT PIERCE, FL		4
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH.....BLAIR		HARBOR BRANCH
DEP: 21 MAR 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 25 MAR 83 FORT PIERCE, FL		4
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH.....SMITH		HARBOR BRANCH
DEP: 23 MAY 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 24 MAY 83 FORT PIERCE, FL		1
AREA INDEX: NA6 NA9		
DEP: 06 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 10 JUN 83 FORT PIERCE, FL		4
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH.....GIBSON/MONTGOMERY		HARBOR BRANCH
DEP: 20 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 24 JUN 83 FORT PIERCE, FL		4
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH.....BLAIR		HARBOR BRANCH

DEP: 27 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 01 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	GIBSON/MONTGOMERY	HARBOR BRANCH
DEP: 05 JUL 83 FORT PIERCE, FL	SCIENCE MISSION	13
ARR: 18 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	SMITH	HARBOR BRANCH
DEP: 21 JUL 83 FORT PIERCE, FL	SCIENCE MISSION	1
ARR: 22 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 27 JUL 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 29 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 03 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 05 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 10 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 12 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 17 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 19 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 24 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 26 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	BLAIR	HARBOR BRANCH
DEP: 06 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	3
ARR: 09 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	GIBSON/MONTGOMERY	HARBOR BRANCH
DEP: 12 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 16 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	YOUNG LUTH	HARBOR BRANCH
DEP: 25 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	19
ARR: 14 OCT 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	GIBSON/MONTGOMERY	HARBOR BRANCH
DEP: 31 OCT 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 04 NOV 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	BLAIR	HARBOR BRANCH
DEP: 07 NOV 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 11 NOV 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
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POINT OF CONTACT INFORMATION

SHIP NAME: WESTWARD  
NAME: WALLACE C STARK  
OFFICE: MARINE SUPERINTENDENT  
ORGANIZATION: SEA EDUCATION ASSOCIATION  
ADDRESS: P.O. BOX 6  
CITY-STATE: WOODS HOLE MA 02543  
FTS PREFIX: 617  
COMMERCIAL AREA CODE: 617  
PHONE: 540-3954

SHIP DIMENSIONS

LENGTH: 125.0 FEET  
MAX BEAM: - FEET  
DISPLACEMENT: 250 TONS  
DRAUGHT: - FEET  
CRUISE SPEED: 7.0 KNOTS  
RANGE: - NAUTICAL MILES

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WESTWARD

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

SEA SEMESTER PROGRAM	A W STONER	SEA EDUCATION
DEP: 24 NOV 82 ST. THOMAS, VI	SARGASSO SEA, SHELF-HISPANIOLA, FL ST	
ARR: 05 JAN 83 MIAMI	PORT-CAICOS IS., BELIZE	43
AREA INDEX: NA9		
SEA SEMESTER PROGRAM		SEA EDUCATION
DEP: 02 FEB 83 MIAMI, FL	CARIBBEAN & BAHAMAS	
ARR: 16 MAR 83 MIAMI, FL		42
AREA INDEX: NA9		
DEP: 06 APR 83 KEY WEST, FL	WEST CENTRAL ATLANTIC	
ARR: 19 MAY 83 WOODS HOLE, MA		42
AREA INDEX: NA9 NA6		
DEP: 01 JUN 83 WOODS HOLE, MA	BERMUDA & N.W. ATLANTIC	
ARR: 13 JUL 83 ROCKLAND, ME		42
AREA INDEX: NA6		
DEP: 20 JUL 83 ROCKLAND, ME	NORTHWESTERN ATLANTIC	
ARR: 31 AUG 83 BOSTON, MA		42
AREA INDEX: NA6		
DEP: 12 OCT 83 WOODS HOLE, MA	CENTRAL ATLANTIC	
ARR: 23 NOV 83 ST. THOMAS, VI		42
AREA INDEX: NA6 NA9		
DEP: 30 NOV 83 ST. THOMAS, VI	CARIBBEAN	
ARR: 11 JAN 84 MIAMI, FL		42
AREA INDEX: NA9		

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# OTHER UNIVERSITY OR INSTITUTIONAL VESSELS

(OVER 50 FT. LOA)

The following is a listing of other university research vessels registered with the University - National Oceanographic Laboratory System (UNOLS) Office and for which schedules have not been received or are not routinely prepared in advance. These vessels take regular cruises in local waters and, unless otherwise indicated, the nature of the work is general oceanography, coastal research and student training.

Most of these vessels are able to accommodate cooperative projects within the capability of the vessel either on a not-to-interfere or on a reimbursable basis. Further information should be obtained from the listed contact. Corrections and additions should be submitted to the UNOLS Office.

INSTITUTION	SHIP NAME	LOA (FT)	AREA OF OPERATION	CONTACT
Southern Main Vocational Technical Institute Dept. of Marine Science and Technology Fort Road South Portland, Maine 04106	AQUALAB III	146	New England Coast	Brian Hathaway (207)799-7303
Massachusetts Institute of Technology Sea Grant College Program 292 Main Street Bldg. E-28, Rm. 366 Cambridge, Massachusetts 02142	EDGERTON	65	New England Coast	Arthur Clifton (617)253-7136
Southeastern Massachusetts University North Dartmouth, Massachusetts 02747	CORSAIR	65	Cape Cod Waters	Jefferson Turner (617)999-8229
University of Connecticut Marine Science Institute SE Branch, Avery Point Groton, Connecticut 06340	UCONN	65	Southern New England Coast Long Island Sound	Sung Feng (203)446-1020, Ext. 211
Marine Sciences Research Center State University of New York Stony Brook, New York 11794	ONRUST	55	New York Bight Long Island Sound Hudson River	Fred G. Roberts (516)246-6546

INSTITUTION	SHIP NAME	LOA (FT)	AREA OF OPERATION	CONTACT
Hobart & William Smith Colleges Geneva, New York 14456	HOBART & WILLIAM SMITH EXPLORER	65	Finger Lakes and Great Lakes	F. Richard Wilkens (315)789-5500, Ext. 213
State University College at Buffalo 1300 Elmwood Avenue Buffalo, New York 14222	C.A. DAMBACH	65	Great Lakes	Robert A. Sweeney (716)878-5422
University of Wisconsin-Milwaukee Center for Great Lakes Studies Milwaukee, Wisconsin 53201	NEESKAY	65	Great Lakes	Donald F. Mraz (414)224-3007
University of Maryland Chesapeake Biological Lab Solomons, Maryland 20688	AQUARIUS ORION	65 62	Chesapeake Bay	Elgin A. Dunnington (301)326-4281
Old Dominion University Dept. of Oceanography Box 6173 Norfolk, Virginia 23508	LINWOOD HOLTON	65	Chesapeake Bay Mid-Atlantic Coast	William S. Dunston (804)440-4285
Virginia Institute of Marine Science Gloucester Point Virginia 23062	RETRIEVER	115	Mid-Atlantic Coast Chesapeake Bay	John M. Zeigler (804)642-2111
The Marine Science Consortium, Inc. P. O. Box 16 Wallops Island, Virginia 23337	DELAWARE BAY	50	NJ to VA to 50 mi. offshore	Robert W. Hinds (804)824-5636
Bermuda Biological Station St. George's West Bermuda	PANULIRUS II	64	Bermuda	Anthony H. Knap (809)297-1880
Cape Fear Technical Institute 411 North Front Street Wilmington, North Carolina 28401	NORTH STAR	73	Atlantic Coast	Arthur W. Jordan (919)343-0481, Ext. 244
Florida Institute of Technology Melbourne, Florida 32901	TURSIOPS	65	Savannah Bight Florida, Bahamas	Jack Morton (305)723-3701, Ext. 302

INSTITUTION	SHIP NAME	LOA (FT)	AREA OF OPERATION	CONTACT
Nova University Ocean Sciences Center 8000 North Ocean Drive Dania, Florida 33004	ENDLESS SEAS	67	Florida Coastal Waters	Jan Witte (305)475-8330, Ext. 288
Florida Institute for Oceanography 830 First Street, South St. Petersburg, Florida 33701	BELLOWS SUNCOASTER	65 110	Florida Coast Gulf of Mexico Caribbean	William W. Behrens (813)893-9100 FTS 826-2211
Marine Environmental Sciences Consortium Dauphin Island Sea Laboratory P. O. Box 386 Dauphin Island, Alabama 36528	G.A.ROUNSEFELL	65	Gulf of Mexico	Fred Rees (205)861-2141
University of Puerto Rico Dept. of Marine Sciences Mayaguez, Puerto Rico 00708	CRAWFORD MEDUSA	125 56	Caribbean Sea	M.L. Hernandez- Avi (809)832-4040, Ext. 3439
Gulf Coast Research Laboratory P. O. Drawer AG Ocean Springs, Mississippi 39565	GULF RESEARCHER	65	Gulf of Mexico	Harold D. Howse (601)875-2244
Occidental College Department of Biology 1600 Campus Road Los Angeles, California 90041	VANTUNA	85	California Coast	John S. Stephens (213)259-2675
University of Michigan 2200 Bonisteel Blvd. Ann Arbor, Michigan 48109	LAURENTIAN	80	Great Lakes	Clifford Tetzloff (313)763-3183

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POINT OF CONTACT INFORMATION

SHIP NAME: USNS BARTLETT  
NAME: MR RICHARD G EVANS  
OFFICE: OCEANOGRAPHIC OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 494  
COMMERCIAL AREA CODE: 601  
PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 210.3 FEET  
MAX BEAM: 39.5 FEET  
DISPLACEMENT: 1325 TONS  
DRAUGHT: 18.0 FEET  
CRUISE SPEED: 9.0 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS BARTLETT

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH		NAVOCEANO
DEP: 03 JAN 83 BAYONNE, NJ	ENROUTE	
ARR: 04 JAN 83 WOODS HOLE, MA		1
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		APL/UW
DEP: 07 JAN 83 WOODS HOLE, MA	APL/UW 1303-83 WINTER CONVECTION	17
ARR: 24 JAN 83 WOODS HOLE, MA		
AREA INDEX: NA6		
OUT OF SERVICE		MSC
DEP: 26 JAN 83 WOODS HOLE, MA	ENROUTE TO YARD	
ARR: 31 JAN 83 PORT TBD		5
AREA INDEX: NA6		
DEP: 31 JAN 83 PORT TBD	YARD / OVERHAUL	
ARR: 02 MAR 83 PORT TBD		30
AREA INDEX: NA6		
DEP: 02 MAR 83 PORT TBD	RFS PERIOD.	
ARR: 07 MAR 83 PORT TBD		5
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH		NAVOCEANO
DEP: 07 MAR 83 PORT TBD	NAVOCEANO 1304-83 SPONSOR SHAKEDOWN	4
ARR: 11 MAR 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA6		
OCEANOGRAPHIC RESEARCH		NORDA
DEP: 15 MAR 83 PORT EVERGLADES FL	NORDA 1305-83 CAVITATION	



ARR: 01 APR 83 PORT EVERGLADES FL		17
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH		NOSC
DEP: 06 APR 83 PORT EVERGLADES FL	NOSC 1306-83 MICROSTRUCTURE I	6
ARR: 12 APR 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
DEP: 15 APR 83 PORT EVERGLADES FL	NOSC 1306-83 MICROSTRUCTURE I	20
ARR: 05 MAY 83 BERMUDA		
AREA INDEX: NA6 NA9		
DEP: 10 MAY 83 BERMUDA	NOSC 1306-83 MICROSTRUCTURE I	20
ARR: 30 MAY 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH		NORDA
DEP: 13 JUN 83 PORT EVERGLADES FL	NORDA 1307-83 DEEP TOWED GEOPHYSICS	24
ARR: 07 JUL 83 PORT EVERGLADES FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		NOSC
DEP: 11 JUL 83 PORT EVERGLADES FL	NOSC 1308-83 MICROSTRUCTURE II	16
ARR: 27 JUL 83 BERMUDA		
AREA INDEX: NA6 NA9		
DEP: 30 JUL 83 BERMUDA	NOSC 1308-83 MICROSTRUCTURE II	16
ARR: 15 AUG 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH		NORDA
DEP: 29 AUG 83 PORT EVERGLADES FL	NORDA 1309-83 BERMEX	16
ARR: 14 SEP 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH		NRL
DEP: 19 SEP 83 PORT EVERGLADES FL	NRL 1310-83 PROJECT K154	21
ARR: 10 OCT 83 PORT TND		
AREA INDEX: NA6 NA9		
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POINT OF CONTACT INFORMATION

SHIP NAME: USNS SILAS BENT  
NAME: MR RICHARD G EVANS  
OFFICE: OCEANOGRAPHIC OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 494  
COMMERCIAL AREA CODE: 601  
PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 285.3 FEET  
MAX BEAM: 48.0 FEET  
DISPLACEMENT: 2580 TONS  
DRAUGHT: 19.0 FEET  
CRUISE SPEED: 13.5 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS SILAS BENT

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE .....		MSC
DEP: 20 DEC 82 OAKLAND, CA	PRE-YARD PERIOD AND HOLIDAY INPORT	32
ARR: 20 JAN 83 OAKLAND, CA		
AREA INDEX: NP9		
DEP: 20 JAN 83 OAKLAND, CA	YARD	32
ARR: 21 FEB 83 OAKLAND, CA		
AREA INDEX: NP9		
DEP: 21 FEB 83 OAKLAND, CA	HOLAS INSTALLATION	28
ARR: 21 MAR 83 OAKLAND, CA		
AREA INDEX: NP9		
OUT OF SERVICE .....		
DEP: 21 MAR 83 OAKLAND, CA	TEST AND SHAKEDOWN	21
ARR: 11 APR 83 PEARL HARBOR, HI		
AREA INDEX: NP9 NP12		
OCEANOGRAPHIC SURVEYS .....		OMP
DEP: 15 APR 83 PEARL HARBOR, HI	SURVOPS 2403-83 OMP	24
ARR: 09 MAY 83 KODIAK, AK		
AREA INDEX: NP12 NP9 NP6		
DEP: 13 MAY 83 KODIAK, AK	SURVOPS 2404-83 OMP	21
ARR: 03 JUN 83 SEATTLE, WA		
AREA INDEX: NP6 NP9		
OCEANOGRAPHIC SURVEYS .....		NESC
DEP: 08 JUN 83 SEATTLE, WA	SURVOPS 2405-83 NESC	23
ARR: 01 JUL 83 KODIAK, AK		

AREA INDEX: NP9 NP6

DEP: 06 JUL 83 KODIAK, AK  
ARR: 27 JUL 83 ANCHORAGE, AK  
AREA INDEX: NP9 NP6

SURVOPS 2605-83 NESC

21

DEP: 01 AUG 83 ANCHORAGE, AK  
ARR: 23 AUG 83 OAKLAND, CA  
AREA INDEX: NP9 NP6

SURVOPS 2605-83 NESC

22

OUT OF SERVICE

MSC

DEP: 23 AUG 83 OAKLAND, CA  
ARR: 06 SEP 83 OAKLAND, CA  
AREA INDEX: NP9

UPKEEP

14

OCEANOGRAPHIC SURVEYS

NEA

DEP: 06 SEP 83 OAKLAND, CA  
ARR: 29 SEP 83 OAKLAND, CA  
AREA INDEX: NP9

SURVOPS 2606-83 NEA

23

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POINT OF CONTACT INFORMATION

SHIP NAME: USNS CHAUVENET  
NAME: PAUL TAYLOR  
OFFICE: MCRG OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVCN PREFIX: 485  
FTS PREFIX: 494  
COMMERCIAL AREA CODE: 601  
PHONE: 688-4050

SHIP DIMENSIONS

LENGTH: 393.1 FEET  
MAX BEAM: 54.1 FEET  
DISPLACEMENT: 4370 TONS  
DRAUGHT: 17.5 FEET  
CRUISE SPEED: 15.0 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS CHAUVENET

LAST CHANGED 26 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

HYDROGRAPHIC SURVEYS

NAVOCEANO

DEP: 03 JAN 83 SUBIC BAY, RP	SURVOPS 1-83	
ARR: 24 JAN 83 JAKARTA, ID		22
AREA INDEX: IN5 NP10 IN4		
DEP: 29 JAN 83 JAKARTA, ID	SURVOPS 2-83	
ARR: 21 FEB 83 SUBIC BAY, RP		25
AREA INDEX: IN5 NP10 IN4		
DEP: 25 FEB 83 SUBIC BAY, RP	SURVOPS 3-83	
ARR: 21 MAR 83 SUBIC BAY, RP		25
AREA INDEX: IN5 NP10		
DEP: 25 MAR 83 SUBIC BAY, RP	SURVOPS 4-83	
ARR: 19 APR 83 SINGAPORE		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 22 APR 83 SINGAPORE	SURVOPS 5-83	
ARR: 16 MAY 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 20 MAY 83 SUBIC BAY, RP	SURVOPS 6-83	
ARR: 13 JUN 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5		
DEP: 17 JUN 83 SUBIC BAY, RP	SURVOPS 7-83	
ARR: 11 JUL 83 SINGAPORE		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 15 JUL 83 SINGAPORE	SURVOPS 8-83	
ARR: 08 AUG 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 12 AUG 83 SUBIC BAY, RP	SURVOPS 9-83	
ARR: 05 SEP 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5		

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POINT OF CONTACT INFORMATION

SHIP NAME: USNS DE STEIGUER  
NAME: MR RICHARD G EVANS  
OFFICE: OCEANOGRAPHIC OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 494  
COMMERCIAL AREA CODE: 601  
PHONE: 689-4005

SHIP DIMENSIONS

LENGTH: 210.3 FEET  
MAX BEAM: 39.5 FEET  
DISPLACEMENT: 1325 TONS  
DRAUGHT: 18.0 FEET  
CRUISE SPEED: 9.0 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS DE STEIGUER

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE .....		MSC
DEP: 29 NOV 82 SAN DIEGO, CA	OVERHAUL. SOUTHWEST MARINE YARD.	36
ARR: 03 JAN 83 SAN DIEGO, CA		
AREA INDEX: NPG		
DEP: 07 JAN 83 SAN DIEGO, CA	RFS PERIOD.	6
ARR: 09 JAN 83 SAN DIEGO, CA		
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH .....		NAVOCEANO
DEP: 08 JAN 83 SAN DIEGO, CA	SPONSOR SHAKETOWN/CSDG-1	7
ARR: 14 JAN 83 SAN DIEGO, CA		
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH .....		NOSC
DEP: 18 JAN 83 SAN DIEGO, CA	NOSC 1202-83 PASSIVE RANGING	10
ARR: 29 JAN 83 SAN DIEGO, CA		
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH .....		NORDA
DEP: 01 FEB 83 SAN DIEGO, CA	NORDA 1207-83 VERTICAL ARRAY	21
ARR: 21 FEB 83 SAN DIEGO, CA		
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH .....		NOSC
DEP: 25 FEB 83 SAN DIEGO, CA	NOSC 1204-83 AAUS-I	20
ARR: 17 MAR 83 OAKLAND, CA		
AREA INDEX: NPG		
DEP: 21 MAR 83 OAKLAND, CA	NOSC 1204-83 AAUS-I	

ARR: 09 APR 83 SEATTLE, WA		19
AREA INDEX: NP9		
.....		
OCEANOGRAPHIC RESEARCH	NAVOCEANO	
DEP: 21 APR 83 SEATTLE, WA	ENROUTE	
ARR: 02 MAY 83 ADAK, AK		11
AREA INDEX: NP9 NP6 NP5		
.....		
OCEANOGRAPHIC RESEARCH	NORDA	
DEP: 06 MAY 83 ADAK, AK	NORDA 1205-83 MARINE SEISMICS (MSS)	10
ARR: 25 MAY 83 ADAK, AK		
AREA INDEX: NP5		
.....		
OCEANOGRAPHIC RESEARCH	APL/UW	
DEP: 30 MAY 83 ADAK, AK	APL/UW 1205-83 MULTI-SCAN PROFILER	21
ARR: 20 JUN 83 ADAK, AK		
AREA INDEX: NP5 NP5 NP6		
.....		
OCEANOGRAPHIC RESEARCH	NORDA	
DEP: 24 JUN 83 ADAK, AK	NORDA 1205-83 MARINE SEISMICS (MSS)	19
ARR: 13 JUL 83 ADAK, AK		
AREA INDEX: NP5		
.....		
OCEANOGRAPHIC RESEARCH	NAVOCEANO	
DEP: 18 JUL 83 ADAK, AK	ENROUTE	
ARR: 28 JUL 83 SEATTLE, WA		10
AREA INDEX: NP5 NP6 NP9		
.....		
OCEANOGRAPHIC RESEARCH	NOSC	
DEP: 10 AUG 83 SEATTLE, WA	NOSC 1207-83 AAUS-II	16
ARR: 26 AUG 83 OAKLAND, CA		
AREA INDEX: NP9		
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DEP: 31 AUG 83 OAKLAND, CA	NOSC 1207-83 AAUS-II	19
ARR: 19 SEP 83 SAN DIEGO, CA		
AREA INDEX: NP9		
.....		
OCEANOGRAPHIC RESEARCH	APL/JHU	
DEP: 26 SEP 83 SAN DIEGO, CA	APL/JHU 1208-83 STANDARD AURA	25
ARR: 21 OCT 83 PORT TBD		
AREA INDEX: NP9		
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POINT OF CONTACT INFORMATION

SHIP NAME: USNS HARKNESS  
NAME: PAUL TAYLOR  
OFFICE: MC&G OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 494  
  
COMMERCIAL AREA CODE: 601  
PHONE: 688-4050

SHIP DIMENSIONS

LENGTH: 393.1 FEET  
MAX BEAM: 54.0 FEET  
DISPLACEMENT: 4330 TONS  
DRAUGHT: 17.5 FEET  
CRUISE SPEED: 15.0 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS HARKNESS

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

HYDROGRAPHIC SURVEYS .....

NAVOCEANO

DEP: 03 JAN 83 GULFPORT, MS	SURVOPS 3-83	
ARR: 24 JAN 83 ROOSEVELT ROADS PR		22
AREA INDEX: NA9		
DEP: 28 JAN 83 ROOSEVELT ROADS PR	SURVOPS 4-83	
ARR: 21 FEB 83 WILLEMSTAD, CURACO		24
AREA INDEX: NA9		
DEP: 25 FEB 83 WILLEMSTAD, CURACO	SURVOPS 5-83	
ARR: 21 MAR 83 PORT EVERGLADES FL		24
AREA INDEX: NA9		
DEP: 25 MAR 83 PORT EVERGLADES FL	SURVOPS 6-83	
ARR: 18 APR 83 INPORT TBD		24
AREA INDEX: NA9		
DEP: 22 APR 83 INPORT TBD	SURVOPS 7-83	
ARR: 16 MAY 83 INPORT TBD		24
AREA INDEX: NA9		

OUT OF SERVICE .....

MSC

DEP: 16 MAY 83 INPORT TBD	UPKEEP PRIOR TO EXTENDED OVERSEAS	
ARR: 06 JUN 83 INPORT TBD	DEPLOYMENT	21
AREA INDEX: NA6		

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POINT OF CONTACT INFORMATION

SHIP NAME: USNS KANE  
NAME: MR RICHARD G EVANS  
OFFICE: OCEANOGRAPHIC OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 494  
COMMERCIAL AREA CODE: 601  
PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 285.3 FEET  
MAX BEAM: 48.0 FEET  
DISPLACEMENT: 2429 TONS  
DRAUGHT: 19.0 FEET  
CRUISE SPEED: 14.5 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS KANE

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC SURVEYS .....		NESC	
DEP: 05 JAN 83	FORT LAUDERDALE FL	SURVOPS 2703-83	NESC
ARR: 29 JAN 83	ROOSEVELT ROADS PR		23
AREA INDEX: NA9			
DEP: 02 FEB 83	ROOSEVELT ROADS PR	SURVOPS 2703-83	NESC
ARR: 24 FEB 83	CHARLESTON, SC		22
AREA INDEX: NA9	NA6		
OUT OF SERVICE .....		MSC	
DEP: 24 FEB 83	CHARLESTON, SC	UPKEEP - MID-TERM	
ARR: 11 MAR 83	CHARLESTON, SC		15
AREA INDEX: NA6			
OCEANOGRAPHIC SURVEYS .....		NAVOCEANO	
DEP: 11 MAR 83	CHARLESTON, SC	ENROUTE	
ARR: 25 MAR 83	GLASGOW, UK		14
AREA INDEX: NA6	NA7 NA5		
DEP: 01 APR 83	GLASGOW, UK	SURVOPS 2704-83	NEA
ARR: 22 APR 83	GLASGOW, UK		22
AREA INDEX: NA5			
DEP: 27 APR 83	GLASGOW, UK	SURVOPS 2704-83	NEA
ARR: 20 MAY 83	GLASGOW, UK		23
AREA INDEX: NA5			
DEP: 25 MAY 83	GLASGOW, UK	SURVOPS 2705-83	MINE WARFARE
ARR: 17 JUN 83	GLASGOW, UK		23
AREA INDEX: NA5			
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OUT OF SERVICE

MSC

DEP: 17 JUN 83 GLASGOW, UK  
ARR: 01 JUL 83 GLASGOW, UK  
AREA INDEX: NA5

UPKEEP

14

OCEANOGRAPHIC SURVEYS

NESC

DEP: 27 JUL 83 GLASGOW, UK  
ARR: 19 AUG 83 REYKJAVIK, IC  
AREA INDEX: NA5 NA1

SURVOPS 2706-83 NESC

23

DEP: 24 AUG 83 GLASGOW, UK  
ARR: 16 SEP 83 NORFOLK, VA  
AREA INDEX: NA1 NA4 NA5

SURVOPS 2706-83 NESC

23

OUT OF SERVICE

MSC

DEP: 16 SEP 83 NORFOLK, VA  
ARR: 30 SEP 83 NORFOLK, VA  
AREA INDEX: NA5

UPKEEP

14

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POINT OF CONTACT INFORMATION

SHIP NAME: USNS LYNCH  
NAME: MR RICHARD G EVANS  
OFFICE: OCEANOGRAPHIC OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 494  
COMMERCIAL AREA CODE: 601  
PHONE: 689-4005

SHIP DIMENSIONS

LENGTH: 208.8 FEET  
MAX BEAM: 39.0 FEET  
DISPLACEMENT: 1409 TONS  
DRAUGHT: 12.0 FEET  
CRUISE SPEED: 9.0 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS LYNCH

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		MSC	
DEP: 03 JAN 83	CULFPORT, MS	ENROUTE	
ARR: 07 JAN 83	PORT TBD		4
AREA INDEX: NA9			
DEP: 07 JAN 83	PORT TBD	YARD/OVERHAUL	
ARR: 24 JAN 83	PORT TBD		17
AREA INDEX: NA9			
DEP: 24 JAN 83	PORT TBD	RFS PERIOD.	
ARR: 28 JAN 83	PORT TBD		4
AREA INDEX: NA9			
DEP: 28 JAN 83	PORT TBD	SPONSOR SHAKEDOWN	
ARR: 04 FEB 83	PORT EVERGLADES FL		7
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH		NORDA	
DEP: 08 FEB 83	PORT EVERGLADES FL	NORDA 704-83 VOLUME SCATTERERS	
ARR: 24 FEB 83	ROOSEVELT ROADS PR		16
AREA INDEX: NA6 NA9			
DEP: 29 FEB 83	ROOSEVELT ROADS PR	ENROUTE	
ARR: 21 MAR 83	GLASGOW, UK		21
AREA INDEX: NA9 NA6 NA7 NA5			
OUT OF SERVICE		MSC	
DEP: 21 MAR 83	GLASGOW, UK	UPKEEP	
ARR: 01 APR 83	GLASGOW, UK		11
AREA INDEX: NA5			
OCEANOGRAPHIC RESEARCH		NRL	

DEP: 01 APR 83 GLASGOW, UK	NRL 705-83 ACOUSTICS	21
ARR: 22 APR 83 GLASGOW, UK		
AREA INDEX: NA5 NA7		
OCEANOGRAPHIC RESEARCH.....		
	NOSC	
DEP: 27 APR 83 GLASGOW, UK	NOSC 706-83 MARINE CHEMISTRY	20
ARR: 17 MAY 83 BERGEN, NORWAY		
AREA INDEX: NA1 NA2 NA4 NA5		
OCEANOGRAPHIC RESEARCH.....		
	NRL	
DEP: 22 MAY 83 BERGEN, NORWAY	NRL 707-83 ARCTIC ACOUSTICS	24
ARR: 15 JUN 83 GLASGOW, UK		
AREA INDEX: NA5 AR2 NA2		
OCEANOGRAPHIC RESEARCH.....		
	NAVOCEANO	
DEP: 20 JUN 83 GLASGOW, UK	ENROUTE	11
ARR: 01 JUL 83 DAKAR, SENEGAL		
AREA INDEX: NA5 NA7 NA10		
OCEANOGRAPHIC RESEARCH.....		
	NORDA	
DEP: 04 JUL 83 DAKAR, SENEGAL	NORDA 708-83 FINE-SCALE PROCESSES	24
ARR: 28 JUL 83 BERMUDA		
AREA INDEX: NA10 SA1 NA6		
OCEANOGRAPHIC RESEARCH.....		
	NAVOCEANO	
DEP: 29 JUL 83 BERMUDA	ENROUTE	3
ARR: 01 AUG 83 NEW LONDON, CT		
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH.....		
	NUSC	
DEP: 15 AUG 83 NEW LONDON, CT	NUSC 709-83 WEAP	21
ARR: 05 SEP 83 NEW LONDON, CT		
AREA INDEX: NA6		
DEP: 09 SEP 83 NEW LONDON, CT	NUSC 710-83 ADVANCED ARRAY	17
ARR: 26 SEP 83 BERMUDA		
AREA INDEX: NA6		
DEP: 30 SEP 83 BERMUDA	NUSC 711-83 SHALLOW-WATER CORRELATI	14
ARR: 14 OCT 83 NEW LONDON, CT		
AREA INDEX: NA6 NA9		
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POINT OF CONTACT INFORMATION

SHIP NAME: USNS WILKES  
NAME: MR RICHARD G EVANS  
OFFICE: OCEANOGRAPHIC OPS DESK  
ORGANIZATION: NAVOCEANO  
ADDRESS: NSTL STATION  
CITY-STATE: BAY ST LOUIS MS 39522  
AUTOVON PREFIX: 485  
FTS PREFIX: 496  
COMMERCIAL AREA CODE: 601  
PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 286.7 FEET  
MAX BEAM: 48.1 FEET  
DISPLACEMENT: 2586 TONS  
DRAUGHT: 19.0 FEET  
CRUISE SPEED: 15.4 KNOTS  
RANGE: 7200 NAUTICAL MILES

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USNS WILKES

LAST CHANGED 13 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

NAVOCEANO

DEP: 13 DEC 82 GULFPORT, MS INSTALL NAVOCEANO COMPUTER EQUIPMEN 27  
ARR: 08 JAN 83 GULFPORT, MS  
AREA INDEX: NA0

DEP: 15 JAN 83 GULFPORT, MS TEST/SHAKEDOWN 11  
ARR: 26 JAN 83 GULFPORT, MS  
AREA INDEX: NA0

OCEANOGRAPHIC SURVEYS

NAVOCEANO

DEP: 31 JAN 83 GULFPORT, MS ENROUTE 16  
ARR: 16 FEB 83 FORTALEZA, BR  
AREA INDEX: NA0 NA10 SA1

DEP: 21 FEB 83 FORTALEZA, BR SURVOPS 3301-83 ENVIRONMENTAL OPS 23  
ARR: 16 MAR 83 RIO DE JANEIRO, BR  
AREA INDEX: SA1

DEP: 21 MAR 83 RIO DE JANEIRO, BR SURVOPS 3301-83 ENVIRONMENTAL OPS 23  
ARR: 13 APR 83 RECIFE, BR  
AREA INDEX: SA1

DEP: 27 APR 83 RECIFE, BR SURVOPS 3301-83 ENVIRONMENTAL OPS 22  
ARR: 19 MAY 83 SALVADOR  
AREA INDEX: SA1

DEP: 24 MAY 83 SALVADOR SURVOPS 3301-83 ENVIRONMENTAL OPS 22  
ARR: 15 JUN 83 FORTALEZA, BR  
AREA INDEX: SA1

DEP: 21 JUN 83 FORTALEZA, BR SURVOPS 3301-83 ENVIRONMENTAL OPS 22  
ARR: 13 JUL 83 ASCENSION ISLAND  
AREA INDEX: SA1

DEP: 18 JUL 83 ASCENSION ISLAND  
ARR: 09 AUG 83 RECIFE, BR  
AREA INDEX: SA1

SURVOPS 3301-83 ENVIRONMENTAL OPS  
22

DEP: 23 AUG 83 RECIFE, BR  
ARR: 14 SEP 83 RIO DE JANEIRO, BR  
AREA INDEX: SA1

SURVOPS 3301-83 ENVIRONMENTAL OPS  
22

DEP: 19 SEP 83 RIO DE JANEIRO, BR  
ARR: 12 OCT 83 PORT TBD  
AREA INDEX: SA1

SURVOPS 3301-83 ENVIRONMENTAL OPS  
23

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POINT OF CONTACT INFORMATION

SHIP NAME: ACANIA  
NAME: CHRISTOPHER MOOERS  
OFFICE: CHAIRMAN  
ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY  
ADDRESS: NAVAL POSTGRADUATE SCHOOL  
CITY-STATE: MONTEREY CA 93940  
AUTOVON PREFIX: 878  
FTS PREFIX: 408  
COMMERCIAL AREA CODE: 408  
PHONE: 646-2673

SHIP DIMENSIONS

LENGTH: 126.0 FEET  
MAX BEAM: 21.6 FEET  
DISPLACEMENT: 247 TONS  
DRAUGHT: 9.0 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 6500 NAUTICAL MILES

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ACANIA

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 93

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE.....ONR  
DEP: 03 JAN 83 MONTEREY, CA.....BIOLOGICAL FOULING, MONTEREY BAY. 0  
ARR: 03 JAN 83 MONTEREY, CA  
AREA INDEX: NP9  
OUT OF SERVICE.....  
DEP: 06 JAN 83 MONTEREY, CA.....MAINTENANCE 0  
ARR: 06 JAN 83 MONTEREY, CA  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH.....E. B. THORNTON.....NPS  
DEP: 07 JAN 83 MONTEREY, CA.....ADSP, MONTEREY BAY 0  
ARR: 07 JAN 83 MONTEREY, CA  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH.....CDR IHLI.....NPS  
DEP: 11 JAN 83 MONTEREY, CA.....VARIOUS CLASS PROJECTS, MONTEREY BA 0  
ARR: 11 JAN 83 MONTEREY, CA  
AREA INDEX: NP9  
OCEANOGRAPHIC RESEARCH.....J. B. WICKHAM.....NOAA  
DEP: 12 JAN 83 MONTEREY, CA.....VARIOUS CLASS PROJECTS, MONTEREY BA 1  
ARR: 13 JAN 83 MONTEREY, CA  
AREA INDEX: NP9  
OUT OF SERVICE.....  
DEP: 14 JAN 83 MONTEREY, CA.....MAINTENANCE 0  
ARR: 14 JAN 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... C. N. K. MOOERS ONR  
 DEP: 18 JAN 83 MONTEREY, CA EQUIPMENT CHECK, MONTEREY BAY 2  
 ARR: 20 JAN 83 MONTEREY, CA  
 AREA INDEX: NP9

DEP: 24 JAN 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K 4  
 ARR: 28 JAN 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. C. HADERLIE ONR  
 DEP: 31 JAN 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
 ARR: 31 JAN 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. D. TRAGANZA ONR  
 DEP: 07 FEB 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C 4  
 ARR: 11 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. C. HADERLIE ONR  
 DEP: 14 FEB 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
 ARR: 14 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... T. R. OSBORN NORDA  
 DEP: 16 FEB 83 MONTEREY, CA SHEAR PROBE EQUIPMENT TEST, BAY/CA 1  
 ARR: 17 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OUT OF SERVICE .....

DEP: 18 FEB 83 MONTEREY, CA MAINTENANCE 0  
 ARR: 18 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... S. P. TUCKER DARPA  
 DEP: 21 FEB 83 MONTEREY, CA OPTICAL IRRADIANCE, CA COAST 2  
 ARR: 23 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. D. THORNTON NPS  
 DEP: 24 FEB 83 MONTEPEY, CA ADSP, MONTEREY BAY 0  
 ARR: 24 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OUT OF SERVICE .....

DEP: 25 FEB 83 MONTEREY, CA MAINTENANCE 0  
 ARR: 25 FEB 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. C. HADERLIE ONR  
 DEP: 28 FEB 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
 ARR: 28 FEB 83 MONTEPEY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. D. TRAGANZA ONR  
 DEP: 07 MAR 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C 3  
 ARR: 10 MAR 83 MONTEREY, CA  
 AREA INDEX: NP9

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OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 11 MAR 83 MONTEREY, CA	BIOLOGICAL FOULING. MONTEREY BAY.		0
ARR: 11 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OUT OF SERVICE			
DEP: 14 MAR 83 MONTEREY, CA	MAINTENANCE		0
ARR: 14 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	J. B. WICKHAM	NOAA/NPS	
DEP: 16 MAR 83 MONTEREY, CA	CLASS PROJECT/WAVE OBS, MONTEREY BA		0
ARR: 16 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. B. THORNTON	NPS	
DEP: 17 MAR 83 MONTEREY, CA	ADSP, MONTEREY BAY		0
ARR: 17 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	CDR IHL	NPS	
DEP: 18 MAR 83 MONTEREY, CA	VARIOUS CLASS PROJECTS, MONTEREY BA		0
ARR: 18 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 21 MAR 83 MONTEREY, CA	BIOLOGICAL FOULING. MONTEREY BAY.		0
ARR: 21 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OUT OF SERVICE			
DEP: 22 MAR 83 MONTEREY, CA	MAINTENANCE		0
ARR: 22 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	C. N. K. MOORE	ONR	
DEP: 23 MAR 83 MONTEREY, CA	EQUIPMENT CHECK, MONTEREY BAY		2
ARR: 25 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
DEP: 28 MAR 83 MONTEREY, CA	PHYSICAL CALIFES, COASTAL TO 1000 K		10
ARR: 07 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 11 APR 83 MONTEREY, CA	BIOLOGICAL FOULING. MONTEREY BAY.		0
ARR: 11 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. B. THORNTON	NPS	
DEP: 12 APR 83 MONTEREY, CA	ADSP, MONTEREY BAY		0
ARR: 12 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OUT OF SERVICE			
DEP: 15 APR 83 MONTEREY, CA	MAINTENANCE		0
ARR: 15 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	T. R. OSBORN	NORDA	



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OCEANOGRAPHIC RESEARCH.....E. B. THORNTON NPS  
 DEP: 23 MAY 83 MONTEREY, CA ADSP, MONTEREY BAY  
 ARR: 23 MAY 83 MONTEREY, CA  
 AREA INDEX: NP9 0  
 OUT OF SERVICE.....

DEP: 27 MAY 83 MONTEREY, CA MAINTENANCE  
 ARR: 27 MAY 83 MONTEREY, CA  
 AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE ONP  
 DEP: 31 MAY 83 MONTEREY, CA BIOLOGICAL FOULING, MONTEREY BAY.  
 ARR: 31 MAY 83 MONTEREY, CA  
 AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....LCDR MILLS NPS  
 DEP: 02 JUN 83 MONTEREY, CA VARIOUS CLASS PPOJECTS, MONTEREY BA  
 ARR: 03 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 1

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE ONR  
 DEP: 06 JUN 83 MONTEREY, CA BIOLOGICAL FOULING, MONTEREY BAY.  
 ARR: 06 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....CDR IHLI NPS  
 DEP: 07 JUN 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA  
 ARR: 07 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 0  
 OUT OF SERVICE.....

DEP: 08 JUN 83 MONTEREY, CA MAINTENANCE  
 ARR: 08 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....T. R. OSBORN NORDA  
 DEP: 09 JUN 83 MONTEREY, CA SHEAR PROPE EQUIPMENT TEST, BAY/CA  
 ARR: 10 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 1

OCEANOGRAPHIC RESEARCH.....C. N. K. MOODERS ONR  
 DEP: 15 JUN 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K  
 ARR: 21 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 6  
 OUT OF SERVICE.....

DEP: 24 JUN 83 MONTEREY, CA MAINTENANCE  
 ARR: 24 JUN 83 MONTEREY, CA  
 AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....C. N. K. MOODERS ONR  
 DEP: 29 JUN 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K  
 ARR: 05 JUL 83 MONTEREY, CA  
 AREA INDEX: NP9 6

OCEANOGRAPHIC RESEARCH.....E. B. THORNTON NPS  
 DEP: 07 JUL 83 MONTEREY, CA ADSP, MONTEREY PAY  
 ARR: 07 JUL 83 MONTEREY, CA 0

AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE ONR

DEP: 11 JUL 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
ARR: 11 JUL 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH.....C. N. K. MOORE ONR

DEP: 13 JUL 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K 6  
ARR: 19 JUL 83 MONTEREY, CA  
AREA INDEX: NP9

OUT OF SERVICE.....

DEP: 22 JUL 83 MONTEREY, CA MAINTENANCE  
ARR: 22 JUL 83 MONTEREY, CA  
AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE ONR

DEP: 25 JUL 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
ARR: 25 JUL 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH.....CDR IHLE NPS

DEP: 26 JUL 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA 0  
ARR: 26 JUL 83 MONTEREY, CA  
AREA INDEX: NP9

OUT OF SERVICE.....

DEP: 29 JUL 83 MONTEREY, CA MAINTENANCE  
ARR: 29 JUL 83 MONTEREY, CA  
AREA INDEX: NP9 0

DEP: 05 AUG 83 MONTEREY, CA MAINTENANCE  
ARR: 05 AUG 83 MONTEREY, CA  
AREA INDEX: NP9 0

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE ONR

DEP: 08 AUG 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
ARR: 08 AUG 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH.....T. R. OSBORN NORDA

DEP: 09 AUG 83 MONTEREY, CA SHEAR PROBE EQUIPMENT TEST, BAY/CA 1  
ARR: 10 AUG 83 MONTEREY, CA  
AREA INDEX: NP9

OUT OF SERVICE.....

DEP: 12 AUG 83 MONTEREY, CA MAINTENANCE & LEAVE 16  
ARR: 28 AUG 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH.....E. C. HADERLIE ONR

DEP: 29 AUG 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
ARR: 29 AUG 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH.....CDR IHLE NPS

DEP: 30 AUG 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA 0  
ARR: 30 AUG 83 MONTEREY, CA  
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. B. THORNTON NPS  
 DEP: 31 AUG 83 MONTEREY, CA ADSP, MONTEREY BAY 0  
 ARR: 31 AUG 83 MONTEREY, CA  
 AREA INDEX: NP9  
 OUT OF SERVICE .....

DEP: 02 SEP 83 MONTEREY, CA MAINTENANCE 0  
 ARR: 02 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. C. HADERLIE ONR  
 DEP: 05 SEP 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
 ARR: 05 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... T. R. OSSBORN NORDA  
 DEP: 12 SEP 83 MONTEREY, CA SHEAR PROBE EQUIPMENT TEST, BAY/CA 1  
 ARR: 13 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9  
 OUT OF SERVICE .....

DEP: 16 SEP 83 MONTEREY, CA MAINTENANCE 0  
 ARR: 16 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. C. HADERLIE ONR  
 DEP: 19 SEP 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0  
 ARR: 19 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... C. R. DUNLAP  
 DEP: 20 SEP 83 MONTEREY, CA 6  
 ARR: 26 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ..... E. B. THORNTON NPS  
 DEP: 29 SEP 83 MONTEREY, CA ADSP, MONTEREY BAY 0  
 ARR: 29 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9  
 OUT OF SERVICE .....

DEP: 30 SEP 83 MONTEREY, CA MAINTENANCE 0  
 ARR: 30 SEP 83 MONTEREY, CA  
 AREA INDEX: NP9  
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POINT OF CONTACT INFORMATION

SHIP NAME:	USNS HAYES
NAME:	MR LOU GALLI
OFFICE:	SHIP FACILITY GROUP CODE 5004
ORGANIZATION:	NAVAL RESEARCH LABORATORY
ADDRESS:	DEPARTMENT OF THE NAVY
CITY-STATE:	WASHINGTON DC 20375
AUTOVON PREFIX:	297
FTS PREFIX:	202
COMMERCIAL AREA CODE:	202
PHONE:	767-3265

SHIP DIMENSIONS

LENGTH:	246.5 FEET
MAX BEAM:	75.0 FEET
DISPLACEMENT:	3320 TONS
DRAUGHT:	22.5 FEET
CRUISE SPEED:	14.0 KNOTS
RANGE:	6000 NAUTICAL MILES

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USNS HAYES

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD

01 JAN 83 THRU 31 DEC 83

ROS

NRL

DEP: 29 JUL 82 CHEATHAM ANNEX, VA REDUCED OPERATIONAL STATUS (ROS)  
ARR: 30 SEP 83 CHEATHAM ANNEX, VA NO CRUISES SCHEDULED FOR FY83 429  
AREA INDEX: NAC

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POINT OF CONTACT INFORMATION

SHIP NAME: ERLINE  
NAME: OFFICER IN CHARGE  
OFFICE:  
ORGANIZATION: TUDOR HILL LABORATORY  
ADDRESS: FLEET POST OFFICE  
CITY-STATE: NEW YORK NY 09560  
FTS PREFIX: 809  
COMMERCIAL AREA CODE: 809  
PHONE: 294-0170

SHIP DIMENSIONS

LENGTH: 100.0 FEET  
MAX BEAM: 20.0 FEET  
DISPLACEMENT: 120 TONS  
DRAUGHT: 5.5 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 1200 NAUTICAL MILES

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ERLINE

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 06 DEC 82	EAST COAST YARD	OVERHAUL	46
ARR: 21 JAN 83	EAST COAST YARD		
AREA INDEX: NA6			
DEP: 22 JAN 83	EAST COAST YARD	TRANSIT TO BERMUDA	3
ARR: 25 JAN 83	BERMUDA		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	MAYER	NUSC	
DEP: 26 JAN 83	BERMUDA	A3	5
ARR: 31 JAN 83	BERMUDA		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA	NADC	
DEP: 01 FEB 83	BERMUDA	LCS	4
ARR: 05 FEB 83	BERMUDA		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	LABARGE	NADC	
DEP: 15 FEB 83	BERMUDA	HLA	11
ARR: 26 FEB 83	BERMUDA		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SORRENTINO	NUSC	
DEP: 04 APR 83	BERMUDA	MINOS	4
ARR: 08 APR 83	BERMUDA		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA	NADC	

DEP: 17 APR 83 BERMUDA	LCS		4
ARR: 21 APR 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	MAYER	NUSC	
DEP: 22 APR 83 BERMUDA	A3		0
ARR: 22 APR 83 BERMUDA			
AREA INDEX: NA6			
DEP: 25 APR 83 BERMUDA	A3		3
ARR: 28 APR 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	MAYER	NAVSEA	
DEP: 02 MAY 83 BERMUDA	BROADBAND		2
ARR: 04 MAY 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA	NADC	
DEP: 05 MAY 83 BERMUDA	RECCE		4
ARR: 09 MAY 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SORRENTINO	NUSC	
DEP: 24 MAY 83 BERMUDA	MINOS		2
ARR: 26 MAY 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA	NADC	
DEP: 27 MAY 83 BERMUDA	RECCE		4
ARR: 31 MAY 83 BERMUDA			
AREA INDEX: NA6			
DEP: 23 JUN 83 BERMUDA	RECCE		7
ARR: 30 JUN 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	BOLLARD	NADC	
DEP: 01 JUL 83 BERMUDA	BBD		9
ARR: 10 JUL 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA	NADC	
DEP: 21 JUL 83 BERMUDA	VLAD		6
ARR: 27 JUL 83 BERMUDA			
AREA INDEX: NA6			
DEP: 29 JUL 83 BERMUDA	LCS		3
ARR: 31 JUL 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SORRENTINO	NUSC	
DEP: 01 AUG 83 BERMUDA	MINOS		5
ARR: 01 AUG 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		NUSC	
DEP: 01 AUG 83 BERMUDA	TRANSIT TO NEW LONDON		2
ARR: 01 AUG 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	MAYER	NUSC	

DEP: 18 AUG 83 NEW LONDON, CT	A3		5
ARR: 23 AUG 83 NEW LONDON, CT			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		NUSC	
DEP: 24 AUG 83 NEW LONDON, CT	TRANSIT TO BERMUDA		2
ARR: 26 AUG 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		NUSC	
	MAYER		
DEP: 30 AUG 83 BERMUDA	A3		8
ARR: 07 SEP 83 BERMUDA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH .....		NADC	
	SNISCAK		
DEP: 11 SEP 83 BERMUDA	MRS		4
ARR: 15 SEP 83 BERMUDA			
AREA INDEX: NA6			
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POINT OF CONTACT INFORMATION

SHIP NAME: USCGC EVERGREEN  
NAME: DIRECTOR  
OFFICE: MARINE SCIENCE & ICE OPS DIV.  
ORGANIZATION: COMMANDANT G-010, USCG  
ADDRESS: 2100 SECOND STREET, SW  
CITY-STATE: WASHINGTON DC 20593  
FIS PREFIX: 202  
COMMERCIAL AREA CODE: 202  
PHONE: 426-1881

SHIP DIMENSIONS

LENGTH: 179.8 FEET  
MAX BEAM: 37.1 FEET  
DISPLACEMENT: 984 TONS  
DRAUGHT: 12.7 FEET  
CRUISE SPEED: 9.4 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USCGC EVERGREEN

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

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OCEANOGRAPHIC RESEARCH

CGOCEANO

DEP: 01 JAN 83 NEW LONDON, CT  
ARR: 31 DEC 83 NEW LONDON, CT  
AREA INDEX: NA6

NO OCEANOGRAPHIC OPERATIONS SCHEDULED  
CALL POC FOR AVAILABILITY 365

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POINT OF CONTACT INFORMATION

SHIP NAME: HERO  
 NAME: ALBERT BETZEL  
 OFFICE: OCEAN PROJECTS MANAGER OFFICE OF POLAR PR  
 ORGANIZATION: NATIONAL SCIENCE FOUNDATION  
 ADDRESS: 1800 G ST. NW  
 CITY-STATE: WASHINGTON DC 20550  
 AUTOVON PREFIX: 294  
 FTS PREFIX: 357  
 COMMERCIAL AREA CODE: 202  
 PHONE: 357-7808

SHIP DIMENSIONS

LENGTH: 125.0 FEET  
 MAX BEAM: 30.3 FEET  
 DISPLACEMENT: 640 TONS  
 DRAUGHT: 16.4 FEET  
 CRUISE SPEED: 10.0 KNOTS  
 RANGE: 5000 NAUTICAL MILES

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HERO

LAST CHANGED 15 NOV 82

OPS SCHEDULE FOR PERIOD  
 C1 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

NSF

DEP: 18 DEC 82 PUNTA ARENAS, CH CRUISE 83-2 OPERATIONS IN THE ANTAR  
 ARR: 22 FEB 83 PUNTA ARENAS, CH PENINSULA AREA 67  
 AREA INDEX: SP9A SASA AN9

DEP: 25 FEB 83 PUNTA ARENAS, CH CRUISE 83-3 OPERATIONS IN THE ANTAR  
 ARR: 20 APR 83 PUNTA ARENAS, CH PENINSULA AREA 55  
 AREA INDEX: SP9A SASA AN9

OUT OF SERVICE

NSF

DEP: 20 APR 83 PUNTA ARENAS, CH UPKEEP PUNTA ARENAS  
 ARR: 30 MAY 83 PUNTA ARENAS, CH 41  
 AREA INDEX: SP9A

OCEANOGRAPHIC RESEARCH

NSF

DEP: 28 OCT 83 PUNTA ARENAS, CH CRUISE 83-6 OPERATIONS IN THE ANTAR  
 ARR: 18 NOV 83 PUNTA ARENAS, CH PENINSULA AREA 22  
 AREA INDEX: SP9A SASA AN9

DEP: 02 DEC 83 PUNTA ARENAS, CH CRUISE 83-7 OPERATIONS IN THE ANTAR  
 ARR: 18 DEC 83 PUNTA ARENAS, CH PENINSULA AREA 17  
 AREA INDEX: SP9A SASA AN9

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 POINT OF CONTACT INFORMATION

SHIP NAME: ALBATROSS IV  
 NAME: CDR CARL FISHER  
 OFFICE: CHIEF OPERATIONS DIVISION  
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
 ADDRESS: 439 WEST YORK STREET  
 CITY-STATE: NORFOLK VA 23510  
 FTS PREFIX: 827  
 COMMERCIAL AREA CODE: 804  
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 187.0 FEET  
 MAX BEAM: 33.0 FEET  
 DISPLACEMENT: 1089 TONS  
 DRAUGHT: 16.2 FEET  
 CRUISE SPEED: 12.0 KNOTS  
 RANGE: 4300 NAUTICAL MILES

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ALBATROSS IV

LAST CHANGED 15 OCT 82

OPS SCHEDULE FOR PERIOD  
 01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 22 FEB 83 WOODS HOLE	MACKEREL ACOUSTICS	
ARR: 04 MAR 83 WOODS HOLE		
AREA INDEX: NA6		10
DEP: 07 MAR 83 WOODS HOLE	SPRING TRAWL & MARMAP I	
ARR: 25 MAR 83 WOODS HOLE		18
AREA INDEX: NA6		
DEP: 28 MAR 83 WOODS HOLE	SPRING TRAWL & MARMAP I	
ARR: 08 APR 83 WOODS HOLE		11
AREA INDEX: NA6		
DEP: 11 APR 83 WOODS HOLE	SPRING TRAWL & MARMAP I	
ARR: 22 APR 83 WOODS HOLE		11
AREA INDEX: NA6		
DEP: 25 APR 83 WOODS HOLE	SPRING TRAWL & MARMAP I	
ARR: 06 MAY 83 WOODS HOLE		11
AREA INDEX: NA6		
DEP: 09 MAY 83 WOODS HOLE	LARVAL DYNMS	
ARR: 20 MAY 83 WOODS HOLE		11
AREA INDEX: NA6		
DEP: 23 MAY 83 WOODS HOLE	OCEAN PULSE & MARMAP I	
ARR: 03 JUN 83 WOODS HOLE		11
AREA INDEX: NA6		
DEP: 06 JUN 83 WOODS HOLE	OCEAN PULSE & MARMAP I	
ARR: 18 JUN 83 WOODS HOLE		12
AREA INDEX: NA6		
DEP: 27 JUN 83 WOODS HOLE	OCEAN PULSE & MARMAP I	
ARR: 08 JUL 83 WOODS HOLE		11
AREA INDEX: NA6		

DEP: 11 JUL 83 WOODS HOLE	OCEAN PULSE & MARMAP I	11
ARR: 22 JUL 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 26 JUL 83 WOODS HOLE	OCEAN PULSE & MARMAP I	10
ARR: 05 AUG 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 08 AUG 83 WOODS HOLE	SCALLOP/OCEAN PULSE	11
ARR: 19 AUG 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 22 AUG 83 WOODS HOLE	SCALLOP /OCEAN PULSE	11
ARR: 02 SEP 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 12 SEP 83 WOODS HOLE	FALL TRAWL/MARMAP	18
ARR: 30 SEP 83 WOODS HOLE		
AREA INDEX: NA6		
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POINT OF CONTACT INFORMATION

SHIP NAME: CHAPMAN  
NAME: CDR FREDDIE JEFFPIFS  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 127.0 FEET  
MAX BEAM: 29.6 FEET  
DISPLACEMENT: 520 TONS  
DRAUGHT: 14.0 FEET  
CRUISE SPEED: 11.0 KNOTS  
RANGE: 6000 NAUTICAL MILES

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CHAPMAN

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

ERL/NMFS

NOAA

DEP: 22 FEB 83 PMC	SHELIKOF POLLOCK	
ARR: 01 MAR 83 KODIAK	CH-83-01	7
AREA INDEX: NP9 NP6		
DEP: 03 MAR 83 KODIAK	SHELIKOF POLLOCK	
ARR: 21 MAR 83 KODIAK	CH-83-01	18
AREA INDEX: NP6		
DEP: 23 MAR 83 KODIAK	SHELIKOF POLLOCK	
ARR: 10 APR 83 KODIAK	CH 83 01	18
AREA INDEX: NP6		
DEP: 11 APR 83 KODIAK	SHELIKOF	
ARR: 17 APR 83 PMC	CH 83 01	6
AREA INDEX: NP6 NP9		
DEP: 09 MAY 83 PMC	TRANSIT	
ARR: 16 MAY 83 KODIAK	CH 83 02	7
AREA INDEX: NP9 NP6		
DEP: 19 MAY 83 KODIAK	SHELIKOF FISH	
ARR: 31 MAY 83 KODIAK	CH 83 02	13
AREA INDEX: NP6		
DEP: 02 JUN 83 KODIAK	BERING SEA-CRAB	
ARR: 20 JUN 83 DUTCH HARBOR	CH 83 02	18
AREA INDEX: NP6 NP5 NP6		
DEP: 22 JUN 83 DUTCH HARBOR	BERING-SEA-CRAB	
ARR: 10 JUL 83 DUTCH HARBOR	CH 83 02	18
AREA INDEX: NP5 NP6		
DEP: 12 JUL 83 DUTCH HARBOR	BERING SEA-CRAB	
ARR: 30 JUL 83 DUTCH HARBOR	CH 83 02	18
AREA INDEX: NP5 NP6		

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POINT OF CONTACT INFORMATION

SHIP NAME: JOHN N COBB  
 NAME: CDR FREDDIE JEFFPIES  
 OFFICE: CHIEF OPERATIONS DIVISION  
 ORGANIZATION: NOAA PACIFIC MARINE CENTER  
 ADDRESS: 1801 FAIRVIEW AVENUE E  
 CITY-STATE: SEATTLE WA 98102  
 FTS PREFIX: 799  
 COMMERCIAL AREA CODE: 206  
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 93.0 FEET  
 MAX BEAM: 26.0 FEET  
 DISPLACEMENT: 250 TONS  
 DRAUGHT: 11.0 FEET  
 CRUISE SPEED: 9.3 KNOTS  
 RANGE: 2900 NAUTICAL MILES

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JOHN N COBB

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD  
 01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 01 JAN 83 SEATTLE, WA  
 ARR: 31 DEC 83 SEATTLE, WA  
 AREA INDEX: NP9

SCHEDULE NOT RECEIVED.  
 CALL POC FOR DETAILS.

365

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POINT OF CONTACT INFORMATION

SHIP NAME: TOWNSEND CROMWELL  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FIS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 163.0 FEET  
MAX BEAM: 33.0 FEET  
DISPLACEMENT: 652 TONS  
DRAUGHT: 12.7 FEET  
CRUISE SPEED: 11.5 KNOTS  
RANGE: 8300 NAUTICAL MILES

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TOWNSEND CROMWELL

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 04 JAN 83 HONOLULU HI	SQUID	
ARR: 07 JAN 83 HONOLULU HI	TC 83 01	3
AREA INDEX: NP12		
DEP: 10 JAN 83 HONOLULU	SQUID TRANSIT	
ARR: 25 JAN 83 SAN DIEGO	TC 83 01	15
AREA INDEX: NP12 NP9		
DEP: 27 JAN 83 SAN DIEGO	CAL COFI	
ARR: 17 FEB 83 SAN DIEGO	TC 83 02	21
AREA INDEX: NP9		
DEP: 21 FEB 83 SAN DIEGO	CAL COFI	
ARR: 14 MAR 83 SAN DIEGO	TC 83 02	21
AREA INDEX: NP9		
DEP: 16 MAR 83 SAN DIEGO	CAL COFI	
ARR: 23 MAR 83 SAN DIEGO	TC 83 02	7
AREA INDEX: NP9		
DEP: 28 MAR 83 SAN DIEGO	CAL COFI	
ARR: 10 APR 83 SAN DIEGO	TC 83-02	13
AREA INDEX: NP9		
DEP: 14 APR 83 SAN DIEGO	CAL COFI	
ARR: 24 APR 83 HONOLULU	TC 83 02	10
AREA INDEX: NP9 NP12		

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POINT OF CONTACT INFORMATION

SHIP NAME: DAVIDSON  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 175.0 FEET  
MAX BEAM: 38.0 FEET  
DISPLACEMENT: 995 TONS  
DRAUGHT: 13.3 FEET  
CRUISE SPEED: 12.0 KNOTS  
RANGE: 6000 NAUTICAL MILES

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DAVIDSON

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 22 FEB 83 PMC	BANGOR	9
ARR: 03 MAR 83 TBA		
AREA INDEX: NP9		
DEP: 07 MAR 83 TBA	BANGOR	11
ARR: 17 MAR 83 TBA		
AREA INDEX: NP9		
DEP: 21 MAR 83 TBA	TRANSIT	2
ARR: 23 MAR 83 PMC		
AREA INDEX: NP9		
DEP: 05 APR 83 PMC	SEYMOUR CANAL	10
ARR: 15 APR 83 JUNEAU		
AREA INDEX: NP9 NP5		
DEP: 19 APR 83 JUNEAU	SEYMOUR CANAL	10
ARR: 29 APR 83 JUNEAU		
AREA INDEX: NP6		
DEP: 03 MAY 83 JUNEAU	KELP BAY	10
ARR: 13 MAY 83 JUNEAU		
AREA INDEX: NP6		
DEP: 17 MAY 83 JUNEAU	CAPE ST ELIAS	10
ARR: 27 MAY 83 CORDOVA		
AREA INDEX: NP6		

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# POINT OF CONTACT INFORMATION

SHIP NAME: DELAWARE II  
 NAME: CDR CARL FISHER  
 OFFICE: CHIEF OPERATION DIVISION  
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
 ADDRESS: 439 WEST YORK STREET  
 CITY-STATE: NORFOLK VA 23510  
 FTS PREFIX: 827  
 COMMERCIAL AREA CODE: 804  
 PHONE: 441-6206

## SHIP DIMENSIONS

LENGTH: 155.0 FEET  
 MAX BEAM: 30.1 FEET  
 DISPLACEMENT: 758 TONS  
 DRAUGHT: 14.7 FEET  
 CRUISE SPEED: 11.5 KNOTS  
 RANGE: 6600 NAUTICAL MILES

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DELAWARE II

LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD  
 01 JAN 83 THRU 31 DEC 83

NMFS	NOAA
DEP: 17 JAN 83 WOODS HOLE ARR: 28 JAN 83 WOODS HOLE AREA INDEX: NA6	MARMAP I 11
DEP: 31 JAN 83 WOODS HOLE ARR: 11 FEB 83 WOODS HOLE AREA INDEX: NA6	MARMAP II 11
DEP: 14 FEB 83 WOODS HOLE ARR: 25 FEB 83 WOODS HOLE AREA INDEX: NA6	MARMAP III 11
DEP: 28 FEB 83 WOODS HOLE ARR: 09 MAR 83 WOODS HOLE AREA INDEX: NA6	HERRING-ACOUSTIC 9
DEP: 15 MAR 83 WOODS HOLE ARR: 15 APR 83 TBA AREA INDEX: NA6	N GLF MEX / SEFC 31
DEP: 21 APR 83 TBA ARR: 25 MAY 83 TBA AREA INDEX:	SEFC/ FLA-NC 34
DEP: 31 MAY 83 TBA ARR: 08 JUL 83 WOODS HOLE AREA INDEX: NA6	REEF FISH/PR & VIRGIN ISLDS. 38
DEP: 10 JUL 83 WOODS HOLE ARR: 15 AUG 83 WOODS HOLE AREA INDEX: NA6	REPAIRS 34
DEP: 17 AUG 83 WOODS HOLE ARR: 26 AUG 83 WOODS HOLE AREA INDEX: NA6	CLAM-OCEAN QUAHOG 9
DEP: 29 AUG 83 WOODS HOLE ARR: 09 SEP 83 WOODS HOLE AREA INDEX: NA6	CLAM-OCEAN QUAHOG 11
DEP: 13 SEP 83 WOODS HOLE ARR: 28 SEP 83 WOODS HOLE AREA INDEX: NA6	CLAM-OCEAN QUAHOG 15

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POINT OF CONTACT INFORMATION

SHIP NAME: DISCOVERER  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 303.0 FEET  
MAX BEAM: 52.0 FEET  
DISPLACEMENT: 4033 TONS  
DRAUGHT: 19.8 FEET  
CRUISE SPEED: 15.0 KNOTS  
RANGE: 12250 NAUTICAL MILES

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DISCOVERER

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

ERL

NOAA

DEP: 27 JAN 83 SEATTLE	MIZEX	
ARR: 27 FEB 83 DUTCH HARBOR		31
AREA INDEX: NP9 NP5 NP6		
DEP: 28 FEB 83 DUTCH HARBOR	CO2 ACID RAIN	
ARR: 28 MAR 83 HONOLULU		28
AREA INDEX: NP5 NP6 NP12		
DEP: 05 APR 83 HONOLULU	CO2 ACID RAIN	
ARR: 24 APR 83 SAN DIEGO		19
AREA INDEX: NP12 NP9		
DEP: 29 APR 83 SAN DIEGO	CO2 ACID RAIN	
ARR: 18 MAY 83 SEATTLE		19
AREA INDEX: NP9		
DEP: 31 MAY 83 SEATTLE	PMS WA COAST	
ARR: 20 JUN 83 SEATTLE		20
AREA INDEX: NP9		

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POINT OF CONTACT INFORMATION

SHIP NAME: FAIRWEATHER  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 231.0 FEET  
MAX BEAM: 42.0 FEET  
DISPLACEMENT: 1800 TONS  
DRAUGHT: 14.3 FEET  
CRUISE SPEED: 13.0 KNOTS  
RANGE: 7000 NAUTICAL MILES

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FAIRWEATHER

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS

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NOAA

DEP: 19 APR 83 PMC  
ARR: 29 APR 83 JUNEAU  
AREA INDEX: NP9 NP6

S.E. ALASKA

10

DEP: 03 MAY 83 JUNEAU  
ARR: 13 MAY 83 JUNEAU  
AREA INDEX: NP6

S.E. ALASKA

10

DEP: 17 MAY 83 JUNEAU  
ARR: 27 MAY 83 KODIAK  
AREA INDEX: NP6

AK PENINSULA

10

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POINT OF CONTACT INFORMATION

SHIP NAME: FERREL  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 173.0 FEET  
MAX BEAM: 32.0 FEET  
DISPLACEMENT: 360 TONS  
DRAUGHT: 8.0 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 2200 NAUTICAL MILES

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FERREL

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 15 FEB 83 NORFOLK  
ARR: 30 SEP 83 NORFOLK  
AREA INDEX: NA6

CIRC SURVEY CHES BAY  
150 DAS

227

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RD-A125 943

NATIONAL OCEANOGRAPHIC FLEET OPERATING SCHEDULES FOR  
1983(U) NAVAL OCEANOGRAPHIC OFFICE NSTL STATION MS  
JAN 83 N00-RP-34(83)

3/3

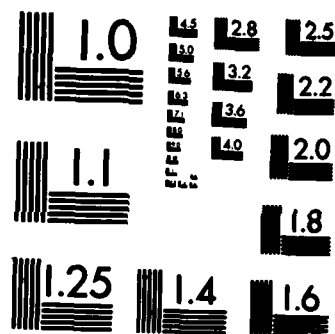
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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POINT OF CONTACT INFORMATION

SHIP NAME: MILLER FREEMAN  
NAME: CDR FREDDIE JEFFPIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 215.0 FEET  
MAX BEAM: 42.0 FEET  
DISPLACEMENT: 1920 TONS  
DRAUGHT: 20.0 FEET  
CRUISE SPEED: 14.0 KNOTS  
RANGE: 13800 NAUTICAL MILES

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MILLER FREEMAN

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

ERL/NMFS		NOAA
DEP: 24 JAN 83 PMC	SE AK GROUND FISH	
ARR: 08 FEB 83 KODIAK	MF 83 01	15
AREA INDEX: NP6 NP6		
DEP: 10 FEB 83 KODIAK	SHELIKOF POLLOCK	
ARR: 28 FEB 83 KODIAK	MF 83 01	18
AREA INDEX: NP6		
DEP: 02 MAR 83 KODIAK	SHELIKOF POLLOCK	
ARR: 21 MAR 83 KODIAK	MF 83 01	19
AREA INDEX: NP6		
DEP: 23 MAR 83 KODIAK	SHELIKOF	
ARR: 14 APR 83 KODIAK	MF 83 01	22
AREA INDEX: NP6		
DEP: 18 APR 83 KODIAK	OCSEAP	
ARR: 07 MAY 83 DUTCH HARBOR	MF 83 02	19
AREA INDEX: NP6 NP5 NP6		
DEP: 09 MAY 83 DUTCH HARBOR	OCSEAP	
ARR: 02 JUN 83 DUTCH HARBOR	MF 83 02	24
AREA INDEX: NP5 NP6		
DEP: 05 JUN 83 DUTCH HARBOR	OCSEAP	
ARR: 24 JUN 83 PMC	M4 83 02	19
AREA INDEX: NP5 NP6 NP6		

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POINT OF CONTACT INFORMATION

SHIP NAME: HECK  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 90.0 FEET  
MAX BEAM: 22.0 FEET  
DISPLACEMENT: 220 TONS  
DRAUGHT: 7.2 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 800 NAUTICAL MILES

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HECK

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA	
DEP: 14 MAR 83 NORFOLK	ENROUTE		
ARR: 18 MAR 83 KEY WEST FL	J6XX		4
AREA INDEX: NA6 NA9			
DEP: 21 MAR 83 KEY WEST	WIRE DRAG 75 SEA DAYS		
ARR: 01 JUL 83 NORFOLK	J6XX		102
AREA INDEX: NA9 NA6			
DEP: 05 JUL 83 NORFOLK	NEW ENGLAND DRAG		
ARR: 30 SEP 83 TBA	70 DAS		87
AREA INDEX: NA6			

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POINT OF CONTACT INFORMATION

SHIP NAME: DAVID STARR JORDAN  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 171.0 FEET  
MAX BEAM: 36.6 FEET  
DISPLACEMENT: 993 TONS  
DRAUGHT: 12.5 FEET  
CRUISE SPEED: 11.5 KNOTS  
RANGE: 8560 NAUTICAL MILES

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DAVID STARR JORDAN

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 10 JAN 83 SAN DIEGO  
ARR: 08 FEB 83 MEXICO  
AREA INDEX: NP9 NP13

PORPOISE SURVEY  
DS 83 01

29

DEP: 11 FEB 83 MEXICO  
ARR: 11 MAR 83 PANAMA  
AREA INDEX: NP13

PORPOISE SURVEY  
DS 83 01

28

DEP: 15 MAR 83 PANAMA  
ARR: 31 MAR 83 PANAMA  
AREA INDEX: NP13

PORPOISE SURVEY  
DS 83 01

16

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POINT OF CONTACT INFORMATION

SHIP NAME: MCARTHUR  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 175.0 FEET  
MAX BEAM: 38.0 FEET  
DISPLACEMENT: 995 TONS  
DRAUGHT: 12.1 FEET  
CRUISE SPEED: 12.0 KNOTS  
RANGE: 6000 NAUTICAL MILES

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MCARTHUR

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 14 MAR 83 SEATTLE  
ARR: 18 MAR 83 SEATTLE  
AREA INDEX: NP9

LRERP

4

DEP: 23 MAR 83 SEATTLE  
ARR: 25 MAR 83 SEATTLE  
AREA INDEX: NP9

LRERP

2

DEP: 12 APR 83 SEATTLE  
ARR: 29 APR 83 SEATTLE  
AREA INDEX: NP9

LRERP

17

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POINT OF CONTACT INFORMATION

SHIP NAME: MT MITCHELL  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 231.0 FEET  
MAX BEAM: 42.0 FEET  
DISPLACEMENT: 1800 TONS  
DRAUGHT: 14.3 FEET  
CRUISE SPEED: 13.0 KNOTS  
RANGE: 7000 NAUTICAL MILES

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MT MITCHELL

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA
DEP: 09 FEB 83 NORFOLK	HYDRO PUERTO RICO	
ARR: 18 FEB 83 SAN JUAN	OPR 1149	9
AREA INDEX: NA6 NA9		
DEP: 22 FEB 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 04 MAR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 08 MAR 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 18 MAR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 22 MAR 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 01 APR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 05 APR 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 15 APR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 18 APR 83 SAN JUAN	TRANSIT	
ARR: 22 APR 83 NORFOLK		4
AREA INDEX: NA9 NA6		
DEP: 10 MAY 83 NORFOLK	AIXX	
ARR: 20 MAY 83 SEARSPORT		10
AREA INDEX: NA6		
DEP: 24 MAY 83 SEARSPORT ME	AIXX	
ARR: 03 JUN 83 SEARSPORT ME		10
AREA INDEX: NA6		
DEP: 07 JUN 83 SEARSPORT ME	AIXX	
ARR: 17 JUN 83 SEARSPORT ME		10
AREA INDEX: NA6		

DEP: 21 JUN 83 SEARSPORT ME		
ARR: 01 JUL 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 06 JUL 83 SEARSPORT ME		
ARR: 15 JUL 83 SEARSPORT ME	AIXX	9
AREA INDEX: NA6		
DEP: 19 JUL 83 SEARSPORT ME		
ARR: 29 JUL 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 02 AUG 83 SEARSPORT ME		
ARR: 12 AUG 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 16 AUG 83 SEARSPORT ME		
ARR: 26 AUG 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 29 AUG 83 SEARSPORT ME		
ARR: 02 SEP 83 SEARSPORT ME	AIXX	4
AREA INDEX: NA6		
DEP: 07 SEP 83 SEARSPORT ME		
ARR: 16 SEP 83 NORFOLK	AIXX	9
AREA INDEX: NA6		
DEP: 22 SEP 83 NORFOLK	NEMP	
ARR: 30 SEP 83 NORFOLK		8
AREA INDEX: NA6		
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POINT OF CONTACT INFORMATION

SHIP NAME: MURRE II  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 86.0 FEET  
MAX BEAM: 26.8 FEET  
DISPLACEMENT: 295 TONS  
DRAUGHT: 7.5 FEET  
CRUISE SPEED: 8.0 KNOTS  
RANGE: 1500 NAUTICAL MILES

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MURRE II

LAST CHANGED 03 AUG 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 01 MAR 83 JUNEAU  
ARR: 04 MAR 83 JUNEAU  
AREA INDEX: NP6

LPW SUPPLY  
MU 83 01

3

DEP: 21 MAR 83 JUNEAU  
ARR: 30 MAR 83 JUNEAU  
AREA INDEX: NP6

LOGGING EFFECTS  
MU 83 02

9

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POINT OF CONTACT INFORMATION

SHIP NAME: OCEANOGRAPHER  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 206  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 303.0 FEET  
MAX BEAM: 52.0 FEET  
DISPLACEMENT: 403 TONS  
DRAUGHT: 19.8 FEET  
CRUISE SPEED: 15.0 KNOTS  
RANGE: 12250 NAUTICAL MILES

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OCEANOGRAPHER LAST CHANGED 22 NOV 82  
OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 93

OUT OF SERVICE\*\*\*\*\* NOAA  
DEP: 01 JAN 83 PMC, SEATTLE DEACTIVATED 8 FEB 1982  
ARR: 31 DEC 83 PMC, SEATTLE  
AREA INDEX: NP9

365

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POINT OF CONTACT INFORMATION

SHIP NAME: OREGON II  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATION DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 170.0 FEET  
MAX BEAM: 34.0 FEET  
DISPLACEMENT: 952 TONS  
DRAUGHT: 14.0 FEET  
CRUISE SPEED: 12.0 KNOTS  
RANGE: 9500 NAUTICAL MILES

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OREGON II LAST CHANGED 20 JUL 82  
OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NMFS	NOAA
DEP: 06 JAN 83 PASCAGOULA ARR: 11 FEB 83 PASCAGOULA AREA INDEX: NA9	OCEAN PELAGICS - 36 DASS 83-01 36
DEP: 14 FEB 83 PASCAGOULA ARR: 04 MAR 83 PASCAGOULA AREA INDEX: NA9	DOCKSIDE REPAIRS 18
DEP: 08 MAR 83 PASCAGOULA ARR: 13 APR 83 PASCAGOULA AREA INDEX: NA9	SPRING SEAMAP - 33 DAS 83-02(133) 36
DEP: 21 APR 83 PASCAGOULA ARR: 24 MAY 83 PASCAGOULA AREA INDEX: NA9	SEAMAP - 33 DAS 83-03(134) 33
DEP: 01 JUN 83 PASCAGOULA ARR: 16 JUL 83 PASCAGOULA AREA INDEX: NA9	SUMMER SEAMAP - 45 DAS 83-04(135) 45
DEP: 02 AUG 83 PASCAGOULA ARR: 26 AUG 83 PASCAGOULA AREA INDEX: NA9	REEF FISH - 22 DAS 83-05(136) 24
DEP: 06 SEP 83 PASCAGOULA ARR: 21 SEP 83 PASCAGOULA AREA INDEX: NA9	GEAR DVL MNT - 14 DAS 83-06(137) 15

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POINT OF CONTACT INFORMATION

SHIP NAME: PEIRCE  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATION DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 163.0 FEET  
MAX BEAM: 33.0 FEET  
DISPLACEMENT: 907 TONS  
DRAUGHT: 11.2 FEET  
CRUISE SPEED: 12.0 KNOTS  
RANGE: 5700 NAUTICAL MILES

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PEIRCE

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA	
DEP: 01 MAR 83 NORFOLK	HYDRO DELAWARE BAY		
ARR: 10 MAR 83 CAPE MAY			9
AREA INDEX: NA6			
DEP: 14 MAR 83 CAPE MAY	HYDRO DELAWARE BAY		
ARR: 24 MAR 83 CAPE MAY			10
AREA INDEX: NA6			
DEP: 28 MAR 83 CAPE MAY	HYDRO DELAWARE BAY		
ARR: 07 APR 83 CAPE MAY			10
AREA INDEX: NA6			
DEP: 11 APR 83 CAPE MAY	HYDRO DELAWARE BAY		
ARR: 21 APR 83 CAPE MAY			10
AREA INDEX: NA6			
DEP: 25 APR 83 CAPE MAY	HYDRO DELAWARE BAY		
ARR: 06 MAY 83 NORFOLK			11
AREA INDEX: NA6			
DEP: 16 MAY 83 NORFOLK	ENROUTE L. SUPERIOR		
ARR: 26 MAY 83 DULUTH			10
AREA INDEX: NA6			
DEP: 31 MAY 83 DULUTH	HYDRO L. SUPERIOR		
ARR: 10 JUN 83 DULUTH			10
AREA INDEX: NA6			
DEP: 13 JUN 83 DULUTH	HYDRO L. SUPERIOR		
ARR: 24 JUN 83 DULUTH			11
AREA INDEX: NA6			
DEP: 27 JUN 83 DULUTH	HYDRO L. SUPERIOR		
ARR: 01 JUL 83 DULUTH			4
AREA INDEX: NA6			



DEP: 05 JUL 83 DULUTH	HYDRO L. SUPERIOR	9
ARR: 14 JUL 83 DULUTH		
AREA INDEX: NA6		
DEP: 18 JUL 83 DULUTH	HYDRO L. SUPERIOR	11
ARR: 29 JUL 83 DULUTH		
AREA INDEX: NA6		
DEP: 01 AUG 83 DULUTH	HYDRO L. SUPERIOR	11
ARR: 12 AUG 83 DULUTH		
AREA INDEX: NA6		
DEP: 15 AUG 83 DULUTH	HYDRO L. SUPERIOR	11
ARR: 26 AUG 83 DULUTH		
AREA INDEX: NA6		
DEP: 29 AUG 83 DULUTH	HYDRO L. SUPPERIOR	4
ARR: 02 SEP 83 DULUTH		
AREA INDEX: NA6		
DEP: 06 SEP 83 DULUTH	ENROUTE NORVA	15
ARR: 21 SEP 83 NORVA		
AREA INDEX: NA6		
DEP: 26 SEP 83 NORVA	SHIPYARD REHAB	102
ARR: 06 JAN 84 SHIPYARD	2 SEA DAYS	
AREA INDEX: NA6		

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POINT OF CONTACT INFORMATION

SHIP NAME: RAINIER  
NAME: CDR FREDDIE JEFFRIES  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA PACIFIC MARINE CENTER  
ADDRESS: 1801 FAIRVIEW AVENUE E  
CITY-STATE: SEATTLE WA 98102  
FTS PREFIX: 399  
COMMERCIAL AREA CODE: 205  
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 231.0 FEET  
MAX BEAM: 42.0 FEET  
DISPLACEMENT: 1800 TONS  
DRAUGHT: 14.3 FEET  
CRUISE SPEED: 13.0 KNOTS  
RANGE: 7000 NAUTICAL MILES

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RAINIER

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 24 MAR 83 SEATTLE  
ARR: 31 MAR 83 KETCHIKAN  
AREA INDEX: NP9 NP6

BOCA DE QUADRA

7

DEP: 04 APR 83 KETCHIKAN  
ARR: 15 APR 83 KETCHIKAN  
AREA INDEX: NP6

BOCA DE QUADRA

11

DEP: 19 APR 83 KETCHIKAN  
ARR: 29 APR 83 KETCHIKAN  
AREA INDEX: NP6

BOCA DE QUADRA

10

DEP: 03 MAY 83 KETCHIKAN  
ARR: 13 MAY 83 KETCHIKAN  
AREA INDEX: NP6

BOCA DE QUADRA

10

DEP: 17 MAY 83 KETCHIKAN  
ARR: 27 MAY 83 HOMER  
AREA INDEX: NP6

COOK INLET

10

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POINT OF CONTACT INFORMATION

SHIP NAME: RESEARCHER  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATION DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 278.3 FEET  
MAX BEAM: 51.0 FEET  
DISPLACEMENT: 2963 TONS  
DRAUGHT: 18.3 FEET  
CRUISE SPEED: 12.5 KNOTS  
RANGE: 10800 NAUTICAL MILES

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RESEARCHER

LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

ERL	NOAA
DEP: 15 FEB 83 MIAMI ARR: 21 FEB 83 PANAMA AREA INDEX: NA9 NP13	EPOCS 6
DEP: 21 FEB 83 PANAMA ARR: 11 MAR 83 CALLAO AREA INDEX: NP13 SP3A	EPOCS 18
DEP: 21 MAR 83 CALLAO ARR: 08 APR 83 PANAMA AREA INDEX: SP3A NP13	EPOCS 18
DEP: 13 APR 83 PANAMA ARR: 10 MAY 83 PANAMA AREA INDEX: NP13	EPOCS 27
DEP: 16 MAY 83 PANAMA ARR: 08 JUN 83 CALLAO AREA INDEX: NP13 SP3A	BIODOME 23
DEP: 13 JUN 83 CALLAO ARR: 04 JUL 83 PANAMA AREA INDEX: SP3A NP13	ACID RAIN 21
DEP: 06 JUL 83 PANAMA ARR: 11 JUL 83 MIAMI AREA INDEX: NP13 NA9	ENROUTE 5

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POINT OF CONTACT INFORMATION

SHIP NAME: RUDE  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATION DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 90.0 FEET  
MAX BEAM: 22.0 FEET  
DISPLACEMENT: 220 TONS  
DRAUGHT: 7.2 FEET  
CRUISE SPEED: 10.0 KNOTS  
RANGE: 600 NAUTICAL MILES

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RUDE

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 14 MAR 83 NORFOLK  
ARR: 18 MAR 83 KEY WEST FL  
AREA INDEX: NA6 NA9

ENROUTE  
J6XX

4

DEP: 21 MAR 83 KEY WEST  
ARR: 01 JUL 83 NORFOLK  
AREA INDEX: NA9 NA6

WIRE DRAG 75 SEA DAYS  
J6XX

102

DEP: 05 JUL 83 NORFOLK  
ARR: 30 SEP 83 TRA  
AREA INDEX: NA6

NEW ENGLAND DRAG  
70 DAS

87

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POINT OF CONTACT INFORMATION

SHIP NAME:	SURVEYOR
NAME:	CDR FREDDIE JEFFRIES
OFFICE:	CHIEF OPERATIONS DIVISION
ORGANIZATION:	NOAA PACIFIC MARINE CENTER
ADDRESS:	1801 FAIRVIEW AVENUE E
CITY-STATE:	SEATTLE WA 98102
FTS PREFIX:	399
COMMERCIAL AREA CODE:	206
PHONE:	442-4548

SHIP DIMENSIONS

LENGTH:	292.2 FEET
MAX BEAM:	46.0 FEET
DISPLACEMENT:	3440 TONS
DRAUGHT:	19.5 FEET
CRUISE SPEED:	15.0 KNOTS
RANGE:	13620 NAUTICAL MILES

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SURVEYOR

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

ERL

NOAA

DEP: 01 FEB 83 SEATTLE  
ARR: 23 FEB 83 SAN DIEGO  
AREA INDEX: NP9

MARINE MAMMALS

22

DEP: 28 FEB 83 SAN DIEGO  
ARR: 21 MAR 83 SEATTLE  
AREA INDEX: NP9

MARINE MAMMALS

21

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POINT OF CONTACT INFORMATION

SHIP NAME: WHITING  
NAME: CDR CARL FISHER  
OFFICE: CHIEF OPERATIONS DIVISION  
ORGANIZATION: NOAA ATLANTIC MARINE CENTER  
ADDRESS: 439 WEST YORK STREET  
CITY-STATE: NORFOLK VA 23510  
FTS PREFIX: 827  
COMMERCIAL AREA CODE: 804  
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 163.0 FEET  
MAX BEAM: 33.0 FEET  
DISPLACEMENT: 907 TONS  
DRAUGHT: 11.2 FEET  
CRUISE SPEED: 12.0 KNOTS  
RANGE: 5700 NAUTICAL MILES

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WHITING

LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA
DEP: 05 JAN 83 SHIPYARD	ENROUTE TO NORFOLK	
ARR: 07 JAN 83 NORFOLK	SHAKE DOWN	2
AREA INDEX: NA6		
DEP: 08 FEB 83 NORFOLK	ENROUTE	
ARR: 12 FEB 83 PENSACOLA		4
AREA INDEX: NA6 NA9		
DEP: 17 FEB 83 PENSACOLA	HYDRO FLA COAST	
ARR: 25 FEB 83 PENSACOLA	OPR J217	8
AREA INDEX: NA9		
DEP: 01 MAR 83 PENSACOLA	HYDRO FLA COAST	
ARR: 11 MAR 83 PENSACOLA	OPR J217	10
AREA INDEX: NA9		
DEP: 15 MAR 83 PENSACOLA	HYDRO FLA COAST	
ARR: 18 MAR 83 PENSACOLA	00PR 217	3
AREA INDEX: NA9		
DEP: 22 MAR 83 PENSACOLA	ENROUTE TO BAHAMAS	
ARR: 24 MAR 83 FREEPORT		2
AREA INDEX: NA9		
DEP: 29 MAR 83 FREEPORT	USN/BAHAMAS SURVEY	
ARR: 08 APR 83 FREEPORT		10
AREA INDEX: NA9		
DEP: 12 APR 83 FREEPORT	USN/BAHAMAS SURVEY	
ARR: 22 APR 83 FREEPORT		10
AREA INDEX: NA9		
DEP: 26 APR 83 FREEPORT	USN/BAHAMAS SURVEY	
ARR: 06 MAY 83 FREEPORT		10
AREA INDEX: NA9		

DEP: 10 MAY 83 FREEPORT ARR: 20 MAY 83 FREEPORT AREA INDEX: NA9	USN/BAHAMAS SURVEY	10
DEP: 24 MAY 83 FREEPORT ARR: 27 MAY 83 FREEPORT AREA INDEX: NA9	USN/BAHAMAS SURVEY	3
DEP: 01 JUN 83 FREEPORT ARR: 03 JUN 83 NORFOLK AREA INDEX: NA9 NA6	ENROUTE	2
DEP: 08 JUN 83 NORFOLK ARR: 17 JUN 83 NORFOLK AREA INDEX: NA6	SLUMP-DELMARVANC	9
DEP: 23 JUN 83 NORFOLK ARR: 01 JUL 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	9
DEP: 06 JUL 83 NORFOLK ARR: 15 JUL 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	9
DEP: 19 JUL 83 NORFOLK ARR: 29 JUL 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
DEP: 02 AUG 83 NORFOLK ARR: 12 AUG 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
DEP: 16 AUG 83 NORFOLK ARR: 26 AUG 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
DEP: 29 AUG 83 NORFOLK ARR: 02 SEP 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	4
DEP: 07 SEP 83 NORFOLK ARR: 16 SEP 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	9
DEP: 20 SEP 83 NORFOLK ARR: 30 SEP 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
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POINT OF CONTACT INFORMATION

SHIP NAME: USNS S P LEE  
NAME: MR N TERENCE EDGAR  
OFFICE: CHIEF, OFFICE OF MARINE GEOLOGY  
ORGANIZATION: U. S. GEOLOGICAL SURVEY  
ADDRESS:  
CITY-STATE: RESTON VA 22092  
FTS PREFIX: 928  
PHONE: -7241

SHIP DIMENSIONS

LENGTH: 208.3 FEET  
MAX BEAM: 39.0 FEET  
DISPLACEMENT: 1338 TONS  
DRAUGHT: 14.2 FEET  
CRUISE SPEED: 11.6 KNOTS  
RANGE: 12000 NAUTICAL MILES

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USNS S P LEE

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD  
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH .....

USGS

DEP: 01 JAN 83 REDWOOD CITY, CA NO OPERATIONS FUNDED FOR 1983  
ARR: 31 DEC 83 REDWOOD CITY, CA CALL POC FOR AVAILABILITY  
AREA INDEX: NP9

365

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 ANTELOPE  
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POINT OF CONTACT INFORMATION

POC: EDWARD MCLEAN  
 POC OFFICE: PH-214  
 POC ORGANIZATION: ENVIRONMENTAL PROTECTION AGENCY  
 POC ADDRESS: 401 M STREET, SW  
 POC CITY/STATE: WASHINGTON DC 20460  
 FTS PREFIX: 382  
 COMMERCIAL AREA CODE: 202  
 PHONE: 382-7603  
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ADMINISTRATIVE DETAILS

DESIGNATOR: OSV  
 CLASS: EX USN PATROL GUNBOAT  
 CALL SIGN (INTERNATIONAL): -  
 FLEET: CIVIL  
 SHIP TYPE: OCEAN SURVEY-GENERAL  
 SHIP OWNER: EPA  
 CERTIFICATION AUTHORITY: -  
 FLAG REGISTRY: USA  
 HOME PORT: ANNAPOLIS MD USA  
 TECHNICAL SPONSOR: EPA  
 OPERATIONS CONTROL: EPA  
 CONTRACTUAL INFORMATION: ON EPA CONTRACT, TIME AVAILABLE, CALL POC  
 OPERATING COST/DAY: 3,9782 THOUSAND \$'S  
 SCIENTIFIC COMPLEMENT: 17  
 NUMBER OFFICERS: 3  
 NUMBER IN CREW: 10  
 MAX SEA STATE: 4 BEAUFORT SCALE  
 ENDURANCE: 17 DAY(S)  
 LIMITING FACTOR: WATER  
 BUILDER: TAKOMA BOATBUILDING CO.  
 WHERE BUILT: TAKOMA WA USA  
 INITIAL COST: -  
 DUE DATE: -  
 KEEL DATE: -  
 LAUNCH DATE: 00 JUN 66  
 DELIVERY DATE: -  
 COMMISSION DATE: 00 NOV 67  
 CONVERSION DATE: 00 JAN 79  
 LAST OVERHAUL: 03 JAN 80  
 MAINTENANCE CYCLE: 1.0 YEARS  
 END OF LIFE: 1990  
 UPDATE OF INFORMATION: 05 NOV 82  
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SHIP DIMENSIONS

LENGTH: 165.0 FEET  
 MAX BEAM: 24.0 FEET  
 HEIGHT: 59.0 FEET  
 GROSS TONNAGE: -  
 DISPLACEMENT: 225 TONS  
 DRAUGHT: 10.5 FEET  
 CRUISE SPEED: 12.0 KNOTS  
 RANGE: 2448 NAUTICAL MILES  
 MAX SPEED: 15.0 KNOTS  
 MIN SPEED: 2.0 KNOTS  
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# ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL/JP-5
BOW THRUSTER:	WATER JET
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	Y
ANTI-ROLL:	Y
STABILIZER:	Y
DEEP ANCHOR:	YES FEET
BERTHING VAN DIMENSIONS:	N
INSTRUMENT VAN DIMENSIONS:	N
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 12 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	POUNDS
NUMBER OF FRAMES:	0
CRANES OR BOOMS	
MAX HOIST CAPACITY:	1500 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.375 INCHES
02. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.250 INCHES

## ELECTRONIC EQUIPMENT

COMPUTERS:	PDP-8
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	Y
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	DATAMARINE 2700
SOUNDING SYSTEM (DEEP):	PAYTHEON

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POINT OF CONTACT INFORMATION

SHIP NAME: ANTELOPE  
 NAME: T A WASTLER  
 OFFICE: CHIEF MARINE PROTECTION BRANCH WH-548  
 ORGANIZATION: ENVIRONMENTAL PROTECTION AGENCY  
 ADDRESS: 401 M STREET, SW  
 CITY-STATE: WASHINGTON DC 20460  
 FTS PREFIX: 755  
 COMMERCIAL AREA CODE: 202  
 PHONE: 755-0356

SHIP DIMENSIONS

LENGTH: 165.0 FEET  
 MAX BEAM: 24.0 FEET  
 DISPLACEMENT: 225 TONS  
 DRAUGHT: 10.5 FEET  
 CRUISE SPEED: 12.0 KNOTS  
 RANGE: 2448 NAUTICAL MILES

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ANTELOPE

LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD  
 01 JAN 83 THRU 31 DEC 83

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 OCEANOGRAPHIC RESEARCH

EPA

DEP: 01 JAN 83 ANNAPOLIS, MD  
 ARR: 31 DEC 83 ANNAPOLIS, MD  
 AREA INDEX: NA6 NA9

CRUISES ON EAST COAST & GULF OF MX.  
 POC FOR DETAILS & AVAILABILITY 364

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# OPEN (UNOBLIGATED) OCEANOGRAPHIC SHIP TIME

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OCEAN-AREA: OPEN  
FROM 01 JAN 83 THRU 31 DEC 83

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\*\*\*\* CAYUSE

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DEP: 28 MAR 83 MOSS LANDING, CA	OPEN	
ARR: 15 APR 83 MOSS LANDING, CA		19 DAY(S)
DEP: 18 APR 83 MOSS LANDING, CA	OPEN	
ARR: 30 APR 83 MOSS LANDING, CA		13 DAY(S)
DEP: 26 SEP 83 MOSS LANDING, CA	OPEN	
ARR: 30 SEP 83 MOSS LANDING, CA		5 DAY(S)
DEP: 17 OCT 83 MOSS LANDING, CA	OPEN	
ARR: 04 NOV 83 MOSS LANDING, CA		18 DAY(S)
DEP: 15 NOV 83 MOSS LANDING, CA	OPEN	
ARR: 31 DEC 83 MOSS LANDING, CA		46 DAY(S)

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\*\*\*\* FRED H MOORE

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DEP: 10 JAN 83 GALVESTON, TX	OPEN	
ARR: 14 JAN 83 GALVESTON, TX		4 DAY(S)
DEP: 07 FEB 83 GALVESTON, TX	OPEN	
ARR: 14 FEB 83 GALVESTON, TX		7 DAY(S)
DEP: 16 MAR 83 GALVESTON, TX	OPEN	
ARR: 30 APR 83 GALVESTON, TX		45 DAY(S)
DEP: 01 JUL 83 GALVESTON, TX	OPEN	
ARR: 14 AUG 83 GALVESTON, TX		44 DAY(S)
DEP: 01 OCT 83 GALVESTON, TX	OPEN	
ARR: 22 DEC 83 GALVESTON, TX		82 DAY(S)

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\*\*\*\* IDA GREEN

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DEP: 03 JAN 83 GALVESTON, TX	OPEN	
ARR: 07 MAR 83 GALVESTON, TX		63 DAY(S)
DEP: 15 MAR 83 GALVESTON, TX	OPEN	
ARR: 31 MAR 83 GALVESTON, TX		16 DAY(S)

OPEN (UNOBLIGATED) OCEANOGRAPHIC SHIP TIME  
(CONTINUED)

DEP: 01 MAY 83 GALVESTON, TX OPEN  
ARR: 23 MAY 83 GALVESTON, TX 22 DAY(S)

DEP: 01 JUN 83 GALVESTON, TX OPEN  
ARR: 22 DEC 83 GALVESTON, TX 204 DAY(S)

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\*\*\*\* KANA KEOKI \*\*\*\*

.....  
DEP: 06 DEC 83 HONOLULU, HI OPEN  
ARR: 31 DEC 83 HONOLULU, HI 25 DAY(S)

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\*\*\*\* NEW HORIZON \*\*\*\*

.....  
DEP: 01 MAR 83 SAN DIEGO, CA OPEN  
ARR: 13 MAR 83 SAN DIEGO, CA 12 DAY(S)

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\*\*\*\* OCEANUS \*\*\*\*

.....  
DEP: 01 DEC 83 WOODS HOLE OPEN  
ARR: 16 DEC 83 WOODS HOLE 15 DAY(S)

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\*\*\*\* THOMAS G THOMPSON \*\*\*\*

.....  
DEP: 01 MAY 83 SEATTLE, WA OPEN  
ARR: 30 MAY 83 SEATTLE, WA 29 DAY(S)

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\*\*\*\* VELERO IV \*\*\*\*

.....  
DEP: 03 JAN 83 WILMINGTON, CA OPEN  
ARR: 11 MAR 83 WILMINGTON, CA 68 DAY(S)

DEP: 31 MAR 83 WILMINGTON, CA OPEN  
ARR: 31 MAR 83 WILMINGTON, CA 1 DAY(S)

DEP: 20 JUN 83 WILMINGTON, CA OPEN  
ARR: 15 JUL 83 WILMINGTON, CA 26 DAY(S)

DEP: 15 AUG 83 WILMINGTON, CA OPEN  
ARR: 26 AUG 83 WILMINGTON, CA 12 DAY(S)

DEP: 21 SEP 83 WILMINGTON, CA OPEN  
ARR: 04 NOV 83 WILMINGTON, CA 45 DAY(S)

4-8  
DT